



AT&T SITE ID: CCL00751
AT&T SITE NAME: HORSEMENS ASSOCIATION
FA LOCATION CODE: 10151483
USID: 324045
PACE #: MRSFR073866

PSTC SITE #: CANC-SJOSE04
SITE ADDRESS: 20350 MCKEAN RD
COUNTY: SAN JOSE, CA 95120
SITE TYPE: SANTA CLARA
TOWER HEIGHT: MONOPINE 80'-0"



FIRSTNET/AT&T ID: CCL00751
HORSEMENS ASSOCIATION
PSTC #: CANC-SJOSE04
HORSEMENS ASSOCIATION
20350 MCKEAN RD
SAN JOSE, CA 95120
(SANTA CLARA COUNTY)
PROPOSED 80'-0"
MONOPINE TOWER

| SITE INFORMATION | |
|---------------------------|---|
| PSTC SITE NAME: | HORSEMENS ASSOCIATION |
| SITE ADDRESS: | 20350 MCKEAN RD SAN JOSE, CA 95120 |
| COUNTY: | SANTA CLARA |
| MAP/PARCEL #: | 701-33-001 |
| AREA OF CONSTRUCTION: | 1,225 SQ FT |
| LATITUDE: | N 37° 11' 55.03" (37.198619°) [NAD83] |
| LONGITUDE: | W 121° 49' 03.10" (-121.817528°) [NAD83] |
| GROUND ELEVATION: | 345.4' (ASML) [NAVD88] |
| CURRENT ZONING: | A |
| JURISDICTION: | SANTA CLARA COUNTY |
| OCCUPANCY CLASSIFICATION: | U |
| TYPE OF CONSTRUCTION: | VB |
| A.D.A. COMPLIANCE: | FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION |
| PROPERTY OWNER: | SANTA CLARA COUNTY HORSEMENS ASSN INC 20350 MCKEAN RD SAN JOSE, CA. 95120 |
| TOWER OWNER: | PUBLIC SAFETY TOWERS, LLC 1903 WRIGHT PLACE, SUITE 140 CARLSBAD, CA 92008 |
| CARRIER/APPLICANT: | AT&T 5005 EXECUTIVE PKWY SAN RAMON, CA 94583 |
| ELECTRIC PROVIDER: | PG&E |
| TELCO PROVIDER: | AT&T |

| DRAWING INDEX | | |
|---------------|---------------------------------|-----|
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ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 24x36. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

LOCATION MAP

DIRECTIONS FROM 5005 EXECUTIVE PARKWAY, SAN RAMON: HEAD WEST AND TURN RIGHT ONTO EXECUTIVE PARKWAY. TURN RIGHT ONTO CAMINO RAMON. MERGE ONTO I-680 SOUTH TO SAN JOSE. CONTINUE ONTO I-280 NORTH. TAKE EXIT 3A TOWARD CA-87. KEEP LEFT AND FOLLOW SIGNS FOR CA-87 SOUTH. CONTINUE ONTO CA-87. TAKE EXIT 1B AND MERGE ONTO CA-85 NORTH TOWARD MOUNTAIN VIEW. TAKE EXIT 6 FOR ALMADEN EXPRESSWAY. TURN LEFT ONTO ALMADEN EXPRESSWAY AND CONTINUE ONTO HARRY ROAD. TURN LEFT ONTO MCKEAN ROAD.

| APPROVALS | |
|-----------------------|-------|
| AT&T (RF): | _____ |
| DATE: | _____ |
| AT&T OPERATIONS: | _____ |
| DATE: | _____ |
| SITE ACQUISITION: | _____ |
| DATE: | _____ |
| CONSTRUCTION MANAGER: | _____ |
| DATE: | _____ |
| PROPERTY OWNER: | _____ |
| DATE: | _____ |
| ZONING: | _____ |
| DATE: | _____ |
| PROJECT MANAGER: | _____ |
| DATE: | _____ |

| ISSUED FOR: | | | | |
|-------------|----------|------|-------------|-----|
| REV | DATE | DRWN | DESCRIPTION | QA |
| C | 01-12-23 | SSO | ZONING | HMM |
| D | 02-28-23 | CAM | ZONING | HMM |
| E | 03-06-23 | SSO | ZONING | HMM |
| F | 03-27-23 | SSO | ZONING | HMM |
| G | 09-12-23 | PSS | ZONING | HMM |

| PROJECT TEAM | |
|------------------------------------|---|
| PUBLIC SAFETY TOWERS, LLC CONTACT: | 1903 WRIGHT PLACE, SUITE 140 CARLSBAD, CA 92008 STEPHANIE VANDERVEEN S.VANDERVEEN@PSTCTOWERS.COM (619) 417-9925 |
| TEP PROJECT TEAM: | TOWER ENGINEERING PROFESSIONALS 4710 E ELWOOD ST, STE 9 PHOENIX, AZ 85040 |
| SITE ACQUISITION CONTACT: | CAROL KINCHELOE CKINCHELOE@TEPGROUP.NET (619) 488-0933 |
| CIVIL ENGINEER: | DAN REIDENBACH, PE DAREIDENBACH@TEPGROUP.NET (480) 750-9062 |
| ELECTRICAL ENGINEER: | MARK QUAKENBUSH, PE MQUAKENBUSH@TEPGROUP.NET (919) 661-6351 |
| AT&T PROJECT TEAM: | |
| RF ENGINEER: | ENRICO CORNEJO EC295F@ATT.COM |

| PROJECT DESCRIPTION | |
|---|--|
| THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY. | |
| TOWER SCOPE OF WORK | |
| <ul style="list-style-type: none"> INSTALL (1) 80'-0" MONOPINE TOWER INSTALL (15) ANTENNAS INSTALL (12) RADIOS INSTALL (3) DC9 FIBER SQUIDS INSTALL (9) DC POWER TRUNKS INSTALL (3) FIBER TRUNKS INSTALL (3) SECTOR MOUNTS INSTALL (1) COLLAR MOUNT | |
| GROUND SCOPE OF WORK | |
| <ul style="list-style-type: none"> INSTALL 33'-0"x33'-0" CHAIN LINK FENCED COMPOUND INSTALL (1) 600A GUTTER INSTALL (1) 200A METER INSTALL (1) CONCRETE PAD INSTALL (1) EQUIPMENT PLATFORM INSTALL (1) WALK-UP-CABINET (WUC) INSTALL (1) 30 KW DIESEL GENERATOR INSTALL (1) ICE BRIDGE INSTALL (1) 200A PTLC WITH CAMLOC AND INTEGRATED ATS INSTALL (1) RAYCAP DC50 SURGE SUPPRESSION CABINET | |

| APPLICABLE CODES/REFERENCE DOCUMENTS | |
|---|---------------------|
| ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES: | |
| CODE TYPE | CODE |
| BUILDING | 2022 CBC (2021 IBC) |
| MECHANICAL | 2022 CMC (2021 UMC) |
| ELECTRICAL | 2022 CEC (2020 NEC) |
| STRUCTURAL | EIA/TIA-222-H |
| REFERENCE DOCUMENTS: | |
| RFDS VERSION: | 1.00 |
| DATED: | 12/07/2022 |
| CALL CALIFORNIA ONE CALL (800) 227-2600 CALL 3 WORKING DAYS BEFORE YOU DIG! | |

SEAL:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

| | |
|----------------------|-----------|
| SHEET TITLE: | |
| TITLE SHEET | |
| SHEET NUMBER: | REVISION: |
| T-1 | G |
| TEP #: 315318.344130 | |

PROJECT NOTES:

- ALL REFERENCES MADE TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED PUBLIC SAFETY TOWERS, LLC OR ITS DESIGNATED REPRESENTATIVE.
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING TO HAVE SUFFICIENT EXPERIENCE AND ABILITY, IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE THE TOWER IS LOCATED.
- THE STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H AND CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE.
- WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE.
- UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTION SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OF CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTIONS OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK. RENTAL CHARGES, SAFETY, PROTECTION, AND MAINTENANCE OF RENTED EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE OWNER PROJECT MANAGER. THIS INCLUDES ALL SPECIFIC MILITARY INSTALLATION INSTRUCTIONS INCLUDING STAFF ACCESS AND GATE SPECIFIC INSTRUCTIONS.
- BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR/OWNER. CONTRACTOR/OWNER SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
- ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER AS WELL AS ANY REQUIRED NOTICES SPECIFIC TO THE MILITARY INSTITUTION.
- THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIALS SHALL BE REWORKED OR REPLACED.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
- THE OWNER OR OWNERS REPRESENTATIVE SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

- ANY BUILDINGS ON THIS SITE ARE INTENDED TO SHELTER EQUIPMENT WHICH WILL ONLY BE PERIODICALLY MAINTAINED AND ARE NOT INTENDED FOR HUMAN OCCUPANCY.
- TEMPORARY FACILITIES FOR PROTECTION OF TOOLS AND EQUIPMENT SHALL CONFORM TO LOCAL REGULATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL CARRY LIABILITY INSURANCE IN THE AMOUNTS AND FORM IN ACCORDANCE WITH OWNER SPECIFICATIONS. CERTIFICATES DEMONSTRATING PROOF OF COVERAGE SHALL BE PROVIDED TO OWNER PRIOR TO THE START OF THE WORK ON THE PROJECT.
- THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY SERVICES TO VERIFY LOCATIONS OF EXISTING UTILITIES AND REQUIREMENTS FOR NEW UTILITY CONNECTIONS PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL MAINTAIN THE JOB CLEAR OF TRASH AND DEBRIS. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE SITE PRIOR TO THE SUBSTANTIAL COMPLETION AND PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL FURNISH ONE 55 GALLON BARREL OR EQUIVALENT, AND TRASH BAGS, AND SHALL REMOVE TRASH, DEBRIS, ETC., ON A DAILY BASIS.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL CONDITIONS PRIOR TO SUBMITTING THE PROPOSAL. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS WITH THOSE AT THE SITE. ANY VARIATION WHICH REQUIRES PHYSICAL CHANGE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PROJECT ENGINEER FOR FACILITIES/CONSTRUCTION.
- THE CONTRACTOR SHALL GUARANTEE THE WORK PERFORMED ON THE PROJECT BY THE CONTRACTOR AND ANY OR ALL OF THE SUBCONTRACTORS WHO PERFORMED WORK FOR THE CONTRACTOR ON THIS PROJECT. THE GUARANTEE SHALL BE FOR A FULL YEAR FOLLOWING ISSUANCE OF THE FINAL PAYMENT OF RETAINAGE. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
- THE CONTRACTOR SHALL PROVIDE DAILY UPDATES IN THE FORM OF WRITTEN NOTIFICATION VIA EMAIL OR APP PHOTOS TO THE BOINGO CONSTRUCTION MANAGER.

UTILITY NOTES:

- APPLY FOR THE UTILITY SERVICE (ELECTRIC) NO LATER THAN THE NEXT BUSINESS DAY FOLLOWING AWARD OF CONTRACT. COORDINATE WITH THE ELECTRIC UTILITY COMPANY FOR EXACT TRANSFORMER LOCATION, METERING REQUIREMENTS, AND THE SERVICE ROUTING. COORDINATE WITH THE TELEPHONE UTILITY COMPANY FOR EXACT TELEPHONE REQUIREMENTS AND ROUTING OF SERVICE.
- ALL UTILITY RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE UTILITY REQUIREMENTS. FIELD TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT UTILITIES AND LOCATOR SERVICE A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE TRENCHING AND CONDUITS AS SHOWN OR AS REQUIRED BY LOCAL UTILITY.
- NO PENETRATIONS TO THE TOWER FOUNDATION OF ANY KIND.



PUBLIC SAFETY TOWERS
COMPANY

1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008



AT&T

5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583



TOWER ENGINEERING PROFESSIONALS
4710 E ELWOOD ST, STE 9
PHOENIX, AZ 85040
OFFICE: (480) 285-0036
www.tepgroup.net

**FIRSTNET/AT&T ID: CCL00751
HORSEMENS ASSOCIATION**


**PSTC #: CANC-SJOSE04
HORSEMENS ASSOCIATION**

**20350 MCKEAN RD
SAN JOSE, CA 95120
(SANTA CLARA COUNTY)**

**PROPOSED 80'-0"
MONOPINE TOWER**

| ISSUED FOR: | | | | |
|-------------|----------|------|-------------|-----|
| REV | DATE | DRWN | DESCRIPTION | QA |
| C | 01-12-23 | SSO | ZONING | HMM |
| D | 02-28-23 | CAM | ZONING | HMM |
| E | 03-06-23 | SSO | ZONING | HMM |
| F | 03-27-23 | SSO | ZONING | HMM |
| G | 09-12-23 | PSS | ZONING | HMM |

SEAL:

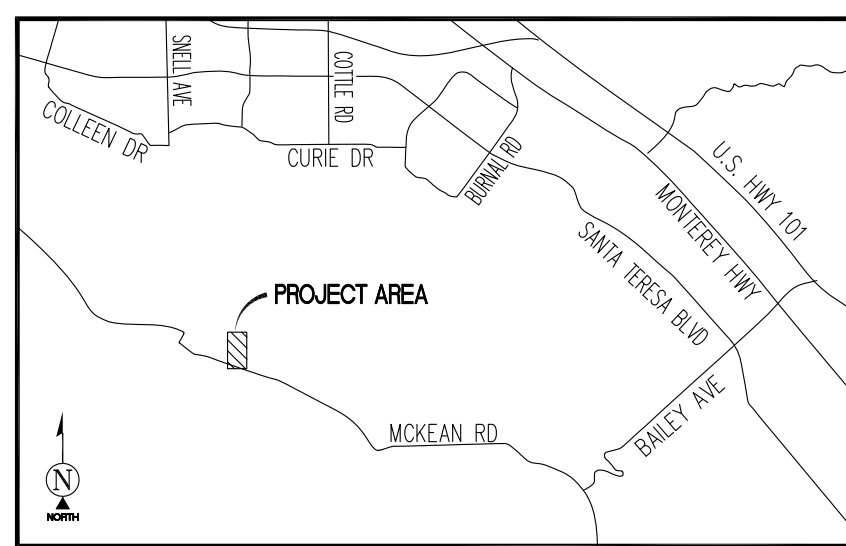


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**SHEET TITLE:
GENERAL NOTES**

SHEET NUMBER: GN-1 **REVISION: G**

TEP #: 315318,344130



VICINITY MAP
N.T.S.

SURVEY DATE
10/18/2022

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA ZONE 3 STATE PLANE COORDINATE SYSTEM BASED ON THE NORTH AMERICAN DATUM OF 1983(2011) (EPOCH 2019.25). DETERMINED BY GLOBAL POSITIONING SYSTEM EQUIPMENT ON THE SMARTNET REFERENCE NETWORK.

BENCHMARK

PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 12B' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE 'SMARTNET' REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

GRID-TO-GROUND SCALE FACTOR NOTE

ALL BEARINGS AND DISTANCES ARE BASED ON THE CALIFORNIA THREE STATE PLANE COORDINATE ZONE GRID. TO DERIVE GROUND DISTANCES DIVIDE BY 0.99995851

FLOOD ZONE

THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "D". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06085C0404H, DATED 05/18/2009

UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTES

CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS AND FOLLOW THE CURRENT NATIONAL MAP STANDARDS FOR VERTICAL ACCURACY.

THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

ALL DISTANCES SHOWN HEREON ARE GRID DISTANCES.

SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED.

LESSOR'S LEGAL DESCRIPTION

ALL THAT 10.103 ACRE TRACT OF LAND SHOWN ON THAT MAP ENTITLED "RECORD OF SURVEY," BEING A PORTION OF LOT 14 OF THE A. H. MARTIN ET AL SUBDIVISION OF A PART OF THE SAN VICENTE RANCHO, DATED DECEMBER 1950 AND RECORDED FEBRUARY 2, 1951 IN BOOK 29 OF MAPS, PAGE 39, IN SANTA CLARA COUNTY RECORDS.

PARCEL ID#: 701-33-001

THIS BEING THE SAME PROPERTY CONVEYED TO SANTA CLARA COUNTY HORSEMEN'S ASSOCIATION, INC., A CORPORATION FROM PATRICIA A. BERGMAN IN A GRANT DEED DATED MAY 20, 1964 AND RECORDED MAY 27, 1964 IN BOOK 6518, PAGE 112, AND AS INSTRUMENT NO. 2636128, IN SANTA CLARA COUNTY, CALIFORNIA.

SCHEDULE "B" NOTE

REFERENCE IS MADE TO THE TITLE REPORT ORDER #TEP-139442-1, ISSUED BY TOWER TITLE AND CLOSING, DATED SEPTEMBER 22, 2022. ALL EASEMENTS CONTAINED WITHIN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED.

ITEMIZED NOTES:

1. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHING SUBSEQUENT TO THE EFFECTIVE DATE BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES FOR VALUE OF RECORD THE ESTATE OR INTEREST OR MORTGAGE THEREON COVERED BY THIS REPORT, INCLUDING:
A. TAXES OR ASSESSMENTS THAT ARE NOT SHOWN AS EXISTING LIENS BY THE RECORDS OF ANY TAXING AUTHORITY THAT LEVIES TAXES OR ASSESSMENTS ON REAL PROPERTY OR BY THE PUBLIC RECORDS;
B. PROCEEDINGS BY A PUBLIC AGENCY THAT MAY RESULT IN TAXES OR ASSESSMENTS, OR NOTICES OF SUCH PROCEEDINGS, WHETHER OR NOT SHOWN BY THE RECORDS OF SUCH AGENCY OR BY THE PUBLIC RECORDS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE PLOTTED HEREON)

2. THE LIEN OF SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES, IF ANY. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE PLOTTED HEREON)

3. ANY FACTS, RIGHTS, INTERESTS, OR CLAIMS THAT ARE NOT SHOWN BY THE PUBLIC RECORDS BUT THAT COULD BE ASCERTAINED BY AN INSPECTION OF THE LAND OR THAT MAY BE ASSERTED BY PERSONS IN POSSESSION OF THE LAND. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE PLOTTED HEREON)

4. EASEMENTS, LIENS OR ENCUMBRANCES, OR CLAIMS THEREOF, NOT SHOWN BY THE PUBLIC RECORDS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE PLOTTED HEREON)

5. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND AND NOT SHOWN BY THE PUBLIC RECORDS, INCLUDING:
A. UNPATENTED MINING CLAIMS;
B. RESERVATIONS OR EXCEPTIONS IN PATENTS OR IN ACTS AUTHORIZING THE ISSUANCE THEREOF;
C. WATER RIGHT, CLAIMS OR TITLE TO WATER, WHETHER OR NOT THE MATTERS EXCEPTED UNDER (A), (B) OR (C) ARE SHOWN BY THE PUBLIC RECORDS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE PLOTTED HEREON)

6. ANY LIEN OR RIGHT TO LIEN FOR SERVICES, LABOR OR MATERIAL NOT SHOWN BY THE PUBLIC RECORDS. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE PLOTTED HEREON)

7. TAXES FOR THE CURRENT FISCAL YEAR AND SUBSEQUENT YEARS, A LIEN NOT YET DUE AND PAYABLE. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE PLOTTED HEREON)

8. RIGHTS OF FEE SIMPLE OWNERS IN AND TO THE SUBJECT PROPERTY. (EXCEPTION IS A STANDARD EXCEPTION AND NOT THE TYPE TO BE PLOTTED HEREON)

9. ANY AND ALL MATTERS DISCLOSED ON THE MAP ENTITLED "MAP OF THE A. H. MARTIN, W. S. CLAYTON, J.R. CHACE, AND E. SHILLINGSBURG SUBDIVISION" DATED NOVEMBER 1, 1910 AND RECORDED DECEMBER 18, 1910 IN (BOOK) N (PAGE) 19, IN SANTA CLARA COUNTY, CALIFORNIA. (NOTHING TO PLOT)

10. ANY AND ALL MATTERS DISCLOSED ON THE MAP ENTITLED "RECORD OF SURVEY" DATED FEBRUARY 2, 1951 AND RECORDED FEBRUARY 2, 1951 IN (BOOK) 29 (PAGE) 39, (INSTRUMENT) 695257 IN SANTA CLARA COUNTY, CALIFORNIA. (AS SHOWN ON SURVEY)

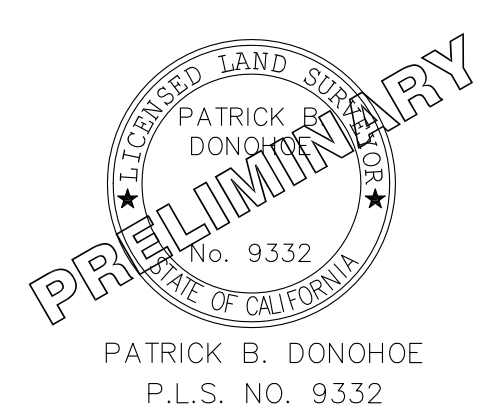
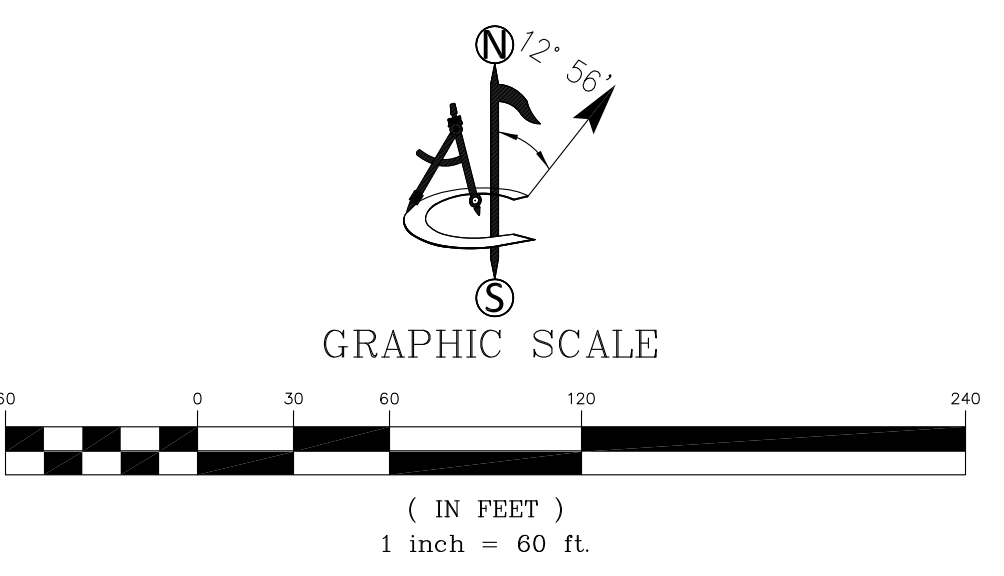
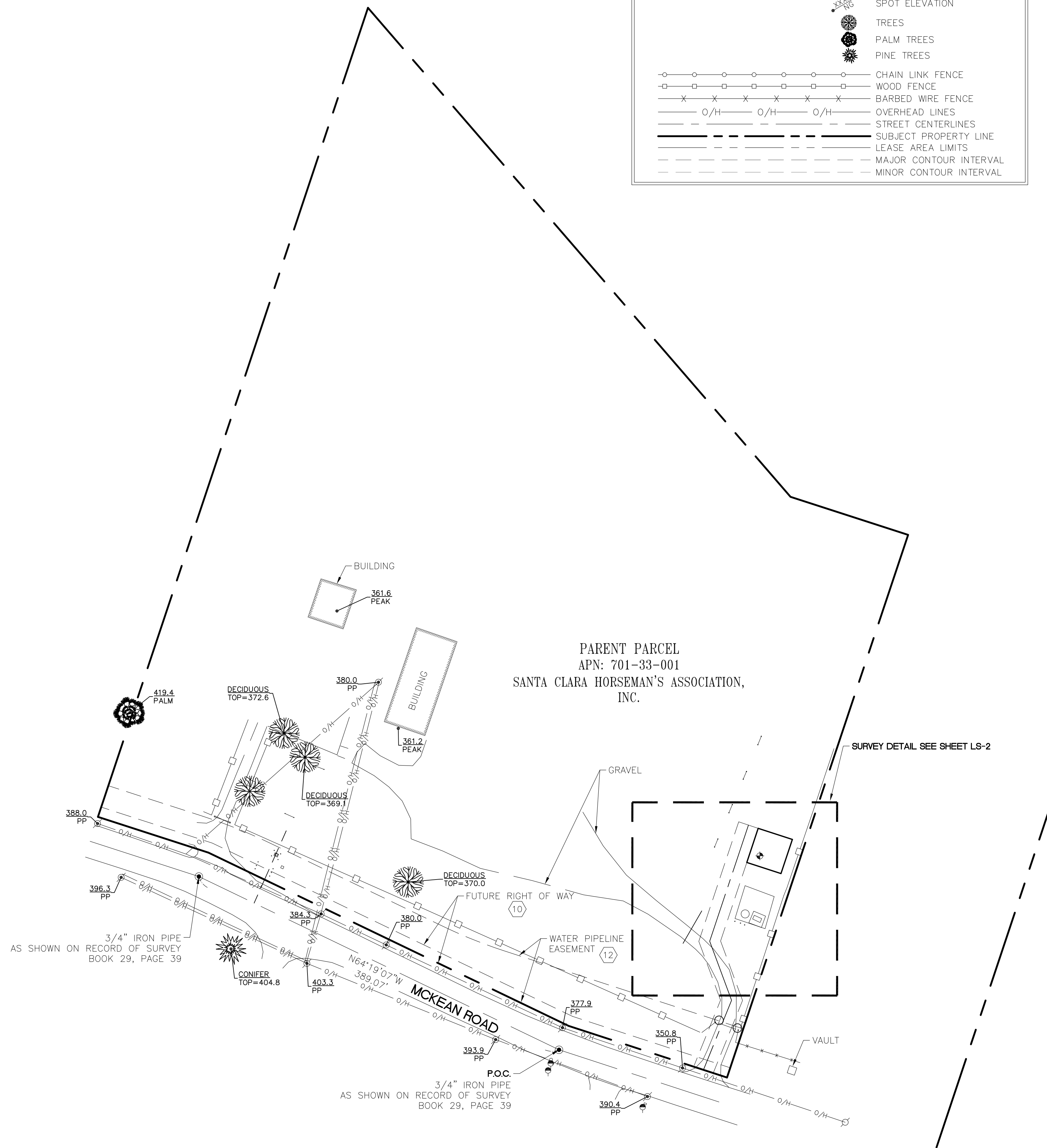
11. RESOLUTION ALTERING BOUNDARIES OF THE AGRICULTURAL PRESERVE IN THE COUNTY OF SANTA CLARA DATED MARCH 7, 1975 AND RECORDED MARCH 7, 1975 IN (BOOK) 310 (PAGE) 43 (INSTRUMENT) 4960527, IN SANTA CLARA COUNTY, CALIFORNIA, AND RERECORDED MAY 7, 1975 IN (BOOK) 342 (PAGE) 482 (INSTRUMENT) 1375915, IN SANTA CLARA COUNTY, CALIFORNIA. (BLANKET IN NATURE)


12. WATER PIPELINES EASEMENT DEED BETWEEN SANTA CLARA COUNTY HORSEMEN'S ASSOCIATION, INCORPORATED; AND SANTA CLARA VALLEY WATER DISTRICT, A PUBLIC CORPORATION, DATED MAY 7, 1980 AND RECORDED JULY 2, 1980 IN (BOOK) 408 (PAGE) 617 (INSTRUMENT) 6768722, IN SANTA CLARA COUNTY, CALIFORNIA. (AS SHOWN ON SURVEY)

13. NOTICE OF VIOLATION BETWEEN SANTA CLARA COUNTY HORSEMEN'S ASSOCIATION, INC. AND MICHAEL B. CLARK, DATED MAY 28, 2009 AND RECORDED JUNE 25, 2009 IN (INSTRUMENT) 20313438, IN SANTA CLARA COUNTY, CALIFORNIA (NOT A SURVEY MATTER)

LEGEND

| | | | |
|-----|------------------|---|----------------------------------|
| AP | ASPHALT | ○ | UTILITY METER |
| CLF | CHAIN LINK FENCE | ○ | UTILITY POLE |
| GRV | GRAVEL | ○ | POSITION OF GEODETIC COORDINATES |
| NG | NATURAL GRADE | ○ | SPOT ELEVATION |
| GW | GUY WIRE | ○ | TREES |
| | | ○ | PALM TREES |
| | | ○ | PINE TREES |
| | | ○ | CHAIN LINK FENCE |
| | | ○ | WOOD FENCE |
| | | ○ | BARBED WIRE FENCE |
| | | ○ | OVERHEAD LINES |
| | | ○ | STREET CENTERLINES |
| | | ○ | SUBJECT PROPERTY LINE |
| | | ○ | LEASE AREA LIMITS |
| | | ○ | MAJOR CONTOUR INTERVAL |
| | | ○ | MINOR CONTOUR INTERVAL |






PROJECT INFORMATION:

CCL00751
CANC-SJOSE04 HORSEMEN'S ASSOCIATION
20350 MCKEAN ROAD
SAN JOSE, CA 95120
SANTA CLARA COUNTY

ORIGINAL ISSUE DATE:
10/28/2022


| REV.: | DATE: | DESCRIPTION: | BY: |
|-------|----------|--------------------|-----|
| A | 10/28/22 | PRELIMINARY | CK |
| 0 | 12/21/22 | DESIGN (C) | PD |
| 1 | 08/30/23 | LEASE LOCATION (C) | CK |
| 2 | 09/08/23 | COORDINATES (A) | PD |

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
(919) 661-6351

CONSULTANT:



ambit consulting
428 MAIN STREET
SUITE 206
HUNTINGTON BEACH, CA 92648
PH. (480) 659-4072
www.ambitconsulting.us

DRAWN BY: _____ CHK.: _____ APV.: _____

| | | |
|----|----|----|
| CK | SB | MF |
|----|----|----|

LICENSER: _____

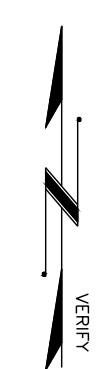
PRELIMINARY

SHEET TITLE:
SITE SURVEY

SHEET NUMBER:
LS-1

NOTES:

1. ANTENNAS NOT SHOWN FOR CLARITY.
2. FIBER AND POWER ROUTES SHOWN ARE PRELIMINARY AND TO BE VERIFIED BY COORDINATION WITH THE UTILITY COMPANY PRIOR TO CONSTRUCTION.



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AT&T
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 PHOENIX, AZ 85040
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 www.tepgroup.net

FIRSTNET/AT&T ID: CCL00751
HORSEMENS ASSOCIATION

PSTC #: CANC-SJOSE04
HORSEMENS ASSOCIATION

20350 MCKEAN RD
SAN JOSE, CA 95120
(SANTA CLARA COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|----------|------|-------------|-----|
| C | 01-12-23 | SSO | ZONING | HMM |
| D | 02-28-23 | CAM | ZONING | HMM |
| E | 03-06-23 | SSO | ZONING | HMM |
| F | 03-27-23 | SSO | ZONING | HMM |
| G | 09-12-23 | PSS | ZONING | HMM |

SEAL:

ZONING
DO NOT BE FOR CONSTRUCTION

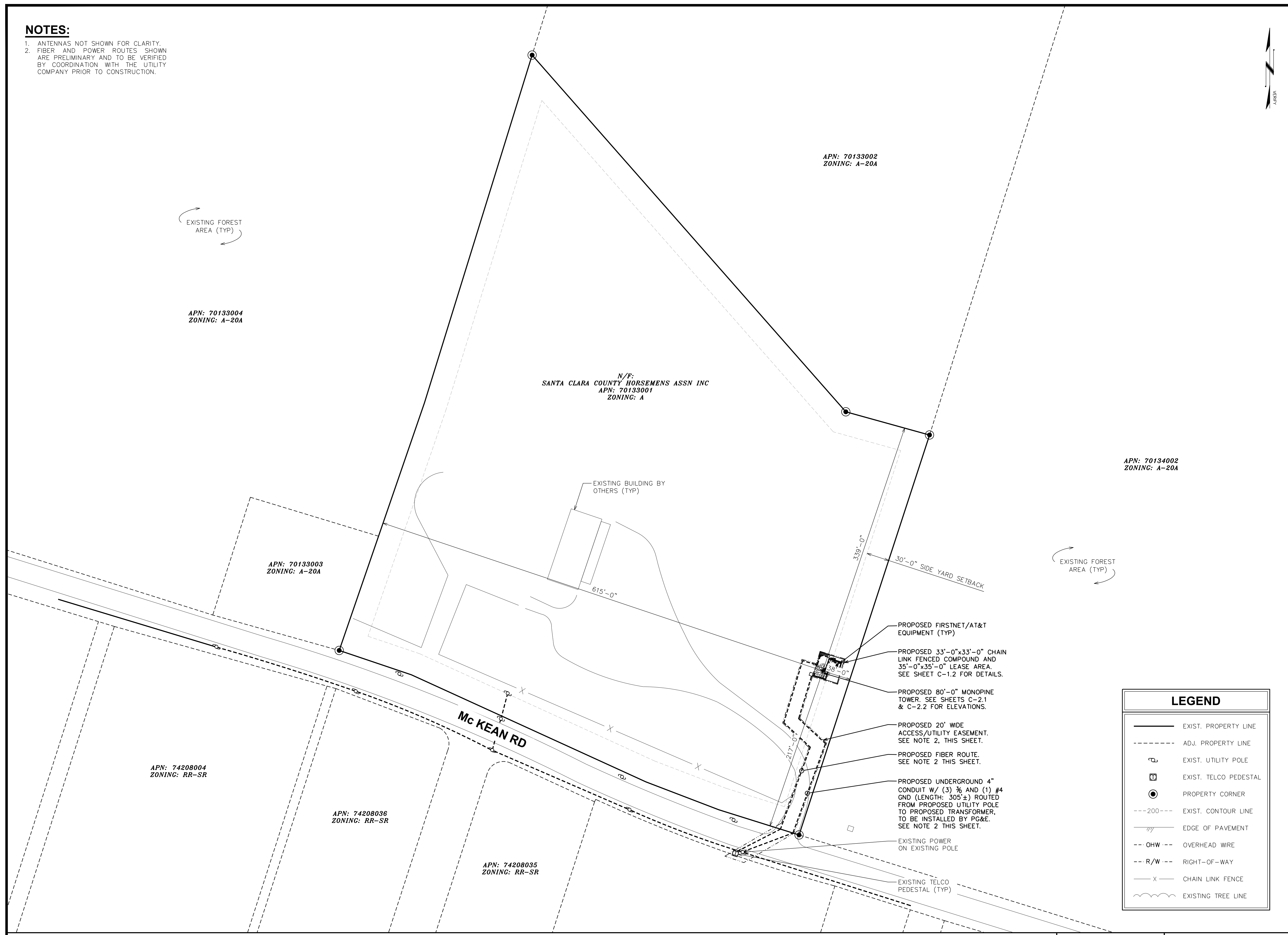
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE:

SITE PLAN

SHEET NUMBER: **C-1.1** **REVISION:** **G**

TEP #: 315318,344130



APN: 70133002
ZONING: A-20A

APN: 70133004
ZONING: A-20A

N/F:
SANTA CLARA COUNTY HORSEMENS ASSN INC
APN: 70133001
ZONING: A

APN: 70133003
ZONING: A-20A

APN: 70134002
ZONING: A-20A

APN: 74208004
ZONING: RR-SR

APN: 74208036
ZONING: RR-SR

APN: 74208035
ZONING: RR-SR

- PROPOSED FIRSTNET/AT&T EQUIPMENT (TYP)
- PROPOSED 33'-0"x33'-0" CHAIN LINK FENCED COMPOUND AND 35'-0"x35'-0" LEASE AREA. SEE SHEET C-1.2 FOR DETAILS.
- PROPOSED 80'-0" MONOPINE TOWER. SEE SHEETS C-2.1 & C-2.2 FOR ELEVATIONS.
- PROPOSED 20' WIDE ACCESS/UTILITY EASEMENT. SEE NOTE 2, THIS SHEET.
- PROPOSED FIBER ROUTE. SEE NOTE 2 THIS SHEET.
- PROPOSED UNDERGROUND 4" CONDUIT W/ (3) 3/8" AND (1) #4 GND (LENGTH: 305±) ROUTED FROM PROPOSED UTILITY POLE TO PROPOSED TRANSFORMER, TO BE INSTALLED BY PG&E. SEE NOTE 2 THIS SHEET.
- EXISTING POWER ON EXISTING POLE
- EXISTING TELCO PEDESTAL (TYP)

LEGEND

- EXIST. PROPERTY LINE
- - - - - ADJ. PROPERTY LINE
- ⊕ EXIST. UTILITY POLE
- ⊞ EXIST. TELCO PEDESTAL
- PROPERTY CORNER
- - - 200 - - - EXIST. CONTOUR LINE
- ▨ EDGE OF PAVEMENT
- - OHW - - - OVERHEAD WIRE
- - R/W - - - RIGHT-OF-WAY
- X - CHAIN LINK FENCE
- ⌋ EXISTING TREE LINE

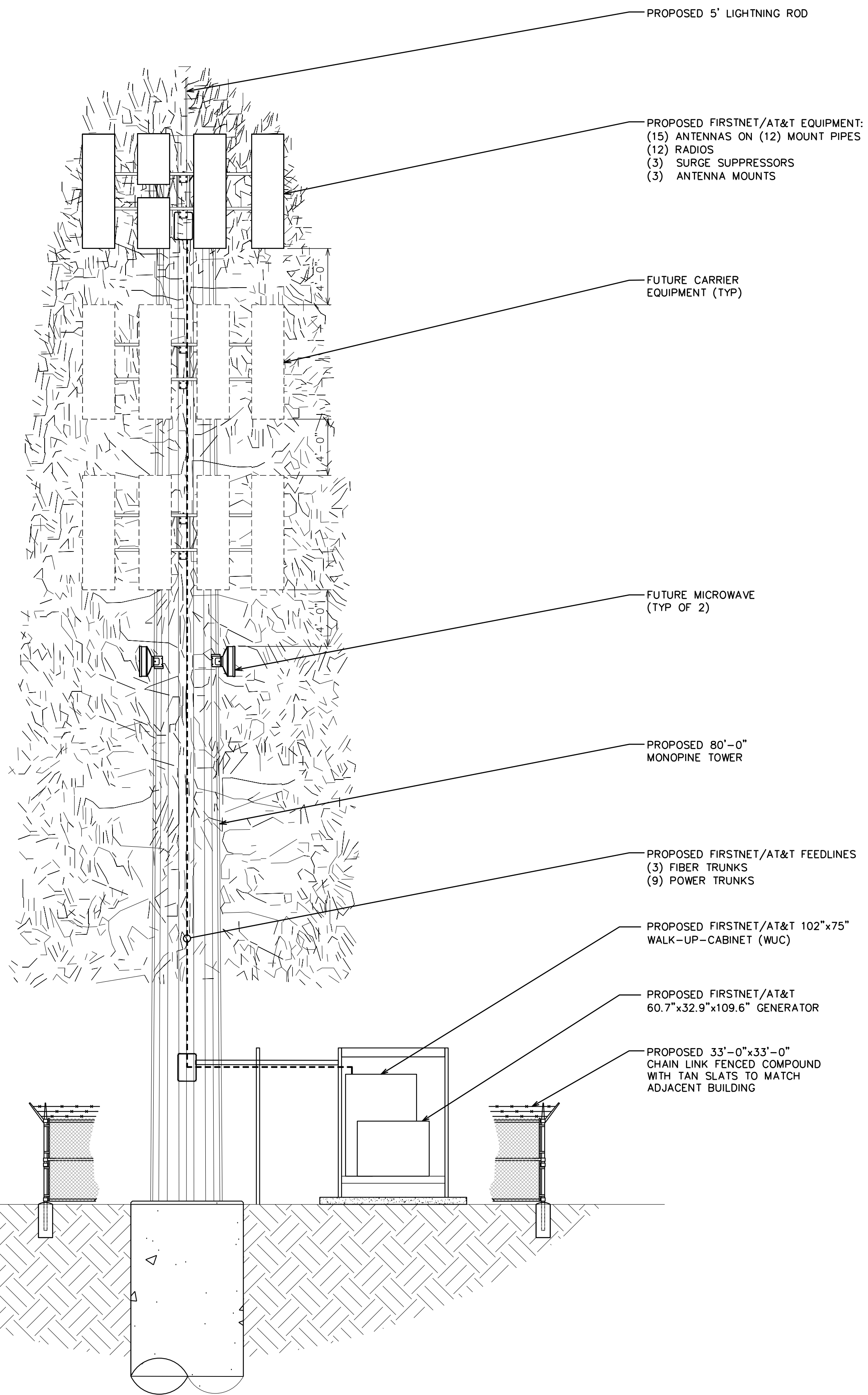
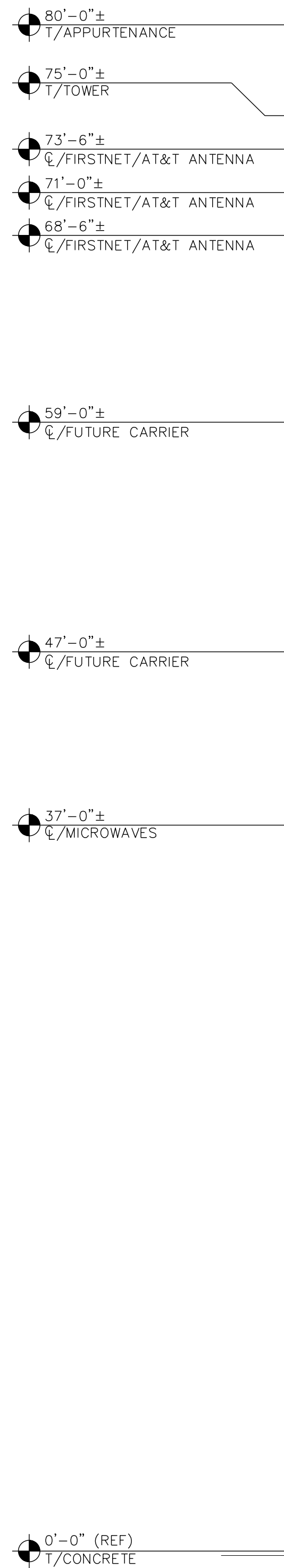
1 EXISTING OVERALL SITE PLAN

SCALE: 1" = 60' (24x36)
 SCALE: 1" = 120' (11x17)

0 60 120
 SCALE IN FEET

NOTES:

1. PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF PASSING STRUCTURAL ANALYSIS.
2. TOWER ELEVATION IS FOR SCHEMATIC PURPOSES ONLY. TEP DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO ANTENNA HEIGHTS, ANTENNA AZIMUTHS, AND MOUNT CONFIGURATIONS.
3. CONTRACTOR TO VERIFY PROPOSED LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT FIRSTNET/AT&T OR PSTC IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.



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www.tepgroup.net

FIRSTNET/AT&T ID: CCL00751
HORSEMENS ASSOCIATION

PSTC #: CANC-SJOSE04
HORSEMENS ASSOCIATION

20350 MCKEAN RD
SAN JOSE, CA 95120
(SANTA CLARA COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|----------|------|-------------|-----|
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| D | 02-28-23 | CAM | ZONING | HMM |
| E | 03-06-23 | SSO | ZONING | HMM |
| F | 03-27-23 | SSO | ZONING | HMM |
| G | 09-12-23 | PSS | ZONING | HMM |

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SHEET TITLE:
FINAL EAST ELEVATION

SHEET NUMBER: **C-2.1** **REVISION:** **G**

TEP #: 315318,344130

NOTES:

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2. TOWER ELEVATION IS FOR SCHEMATIC PURPOSES ONLY. TEP DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO ANTENNA HEIGHTS, ANTENNA AZIMUTHS, AND MOUNT CONFIGURATIONS.
3. CONTRACTOR TO VERIFY PROPOSED LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT FIRSTNET/AT&T OR PSTC IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.

- 80'-0"±
T/APPURTENANCE
- 75'-0"±
T/TOWER
- 73'-6"±
Q/FIRSTNET/AT&T ANTENNA
- 71'-0"±
Q/FIRSTNET/AT&T ANTENNA
- 68'-6"±
Q/FIRSTNET/AT&T ANTENNA

- 59'-0"±
Q/FUTURE CARRIER

- 47'-0"±
Q/FUTURE CARRIER

- 37'-0"±
Q/MICROWAVES

- 0'-0" (REF)
T/CONCRETE

PROPOSED FIRSTNET/AT&T 102"x75" WALK-UP-CABINET (WUC)

PROPOSED FIRSTNET/AT&T 60.7"x32.9"x109.6" GENERATOR

PROPOSED 5' LIGHTNING ROD

PROPOSED FIRSTNET/AT&T EQUIPMENT:
(15) ANTENNAS ON (12) MOUNT PIPES
(12) RADIOS
(3) SURGE SUPPRESSORS
(3) ANTENNA MOUNTS

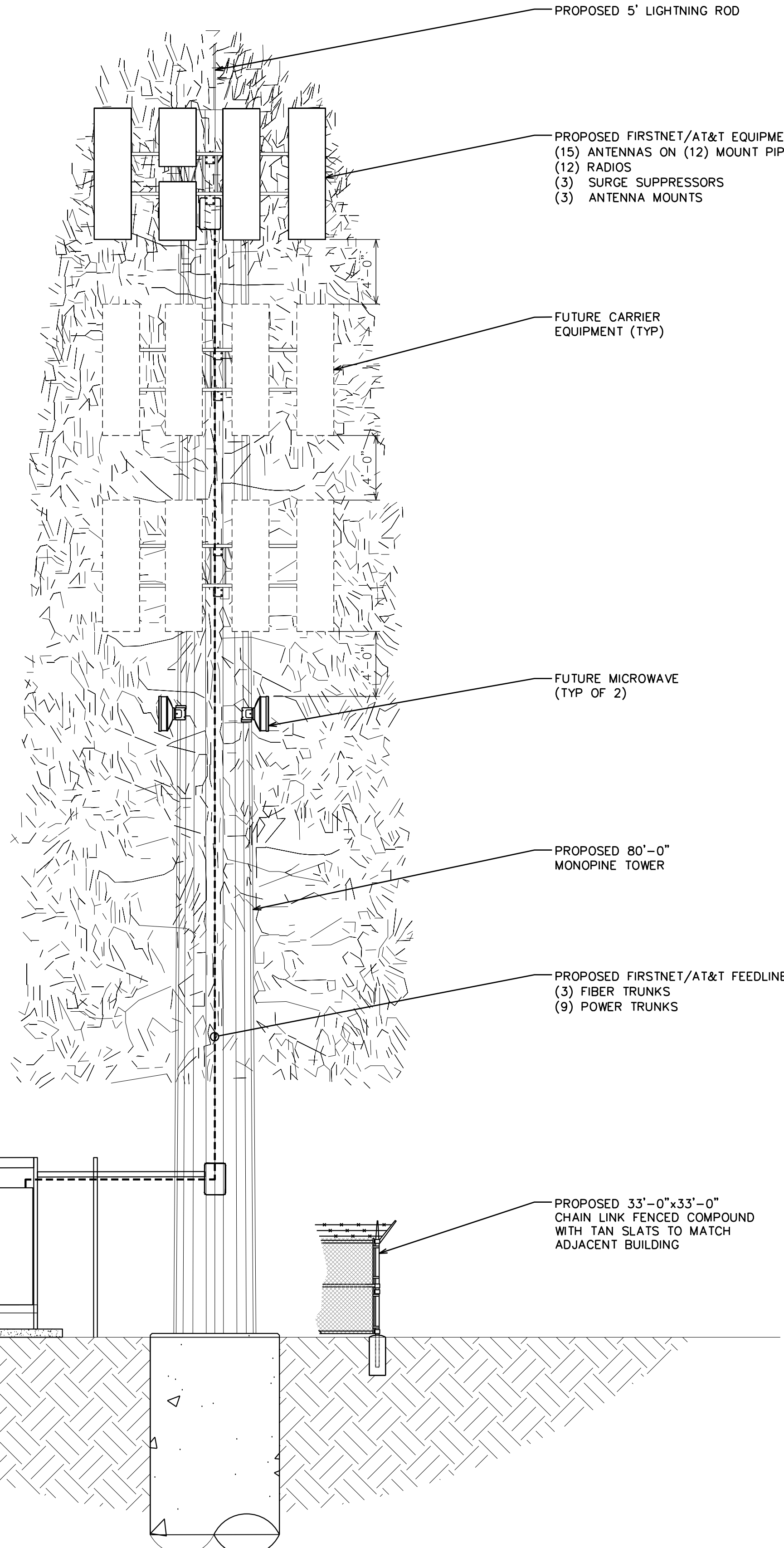
FUTURE CARRIER EQUIPMENT (TYP)

FUTURE MICROWAVE (TYP OF 2)

PROPOSED 80'-0" MONOPINE TOWER

PROPOSED FIRSTNET/AT&T FEEDLINES
(3) FIBER TRUNKS
(9) POWER TRUNKS

PROPOSED 33'-0"x33'-0" CHAIN LINK FENCED COMPOUND WITH TAN SLATS TO MATCH ADJACENT BUILDING



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PROPOSED 80'-0"
MONOPINE TOWER

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| G | 09-12-23 | PSS | ZONING | HMM |

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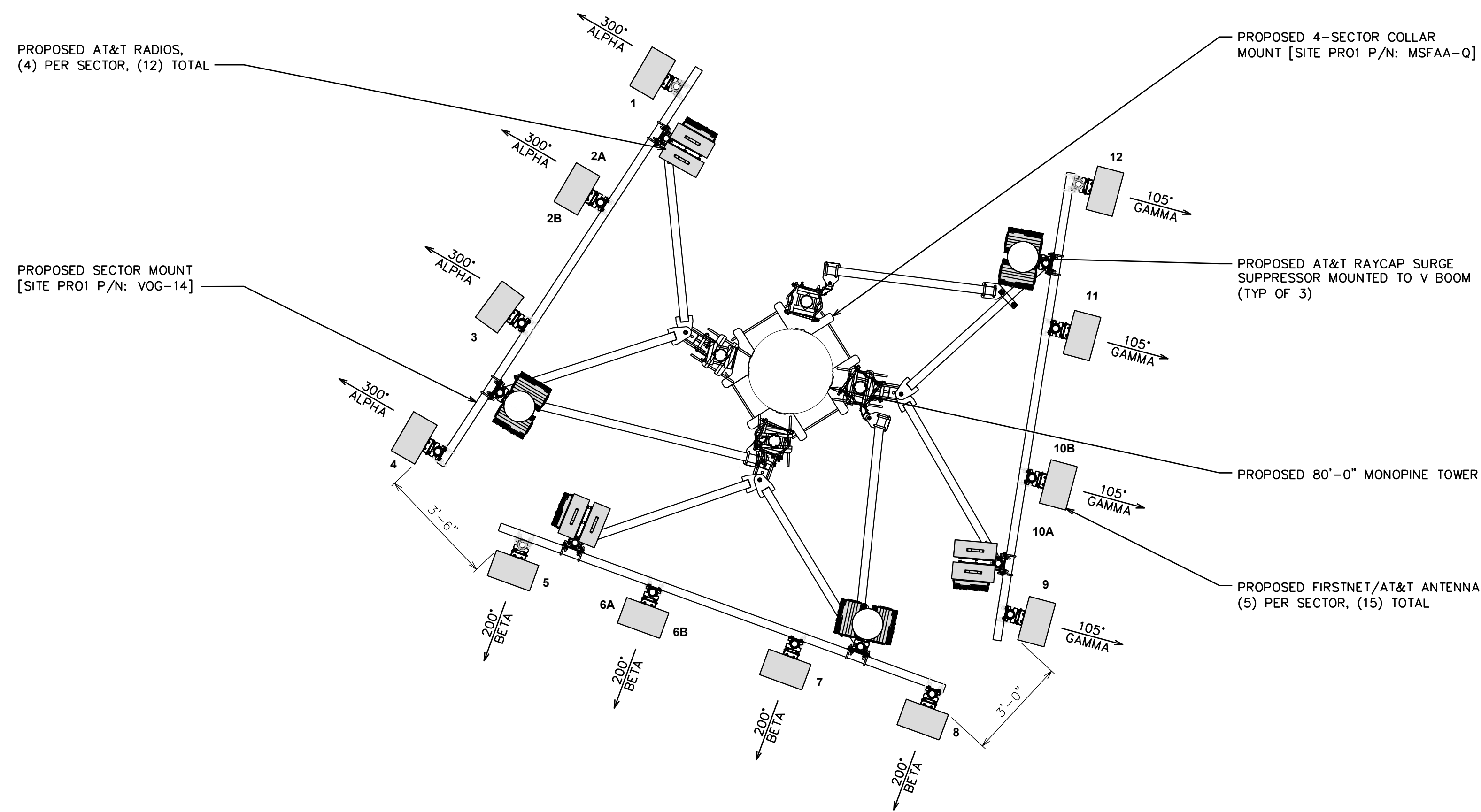
SHEET TITLE:
FINAL WEST ELEVATION

SHEET NUMBER: **C-2.2** REVISION: **G**

TEP #: 315318.344130

NOTE:

TEP DID NOT ANALYZE THE PROPOSED MOUNT SHOWN.



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PSTC #: CANC-SJOSE04
HORSEMENS ASSOCIATION

20350 MCKEAN RD
SAN JOSE, CA 95120
(SANTA CLARA COUNTY)

PROPOSED 80'-0" MONOPINE TOWER

1 FINAL ANTENNA LAYOUT

SCALE: 3/8" = 1'-0" (24x36)
 SCALE: 7/16" = 1'-0" (11x17)
 0 2 4
 SCALE IN FEET

| FINAL ANTENNA/FEEDLINE SCHEDULE | | | | | | | |
|---------------------------------|------|-------------------------|-----------------|--------------|---|--------------|---|
| SECTOR | POS. | MANUFACTURER (MODEL #) | MOUNTING HEIGHT | AZIMUTH (TN) | CABLE SIZE | CABLE LENGTH | OVP/RRH/TMA/DIPLEXER [MODEL #] |
| ALPHA | 1 | QUINTEL (QD868-3D) | Ⓞ @ 71'-0"± | 300° | (9) DC POWER TRUNKS (3) FIBER TRUNKS | 130'± | (1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B66A (1) RADIO 4478 B14 (1) RADIO 2012 B29 (1) DC9-48-60-24-8C-EV |
| ALPHA | 2A | ERICSSON (AIR6419 B77G) | Ⓞ @ 73'-6"± | 300° | | | |
| ALPHA | 2B | ERICSSON (AIR6449 B77D) | Ⓞ @ 68'-6"± | 300° | | | |
| ALPHA | 3 | QUINTEL (QD8612-2) | Ⓞ @ 71'-0"± | 300° | | | |
| ALPHA | 4 | QUINTEL (QD868-2) | Ⓞ @ 71'-0"± | 300° | | | (1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B66A (1) RADIO 4478 B14 (1) RADIO 2012 B29 (1) DC9-48-60-24-8C-EV |
| BETA | 5 | QUINTEL (QD868-3D) | Ⓞ @ 71'-0"± | 200° | | | |
| BETA | 6A | ERICSSON (AIR6419 B77G) | Ⓞ @ 73'-6"± | 200° | | | |
| BETA | 6B | ERICSSON (AIR6449 B77D) | Ⓞ @ 68'-6"± | 200° | | | |
| BETA | 7 | QUINTEL (QD8612-2) | Ⓞ @ 71'-0"± | 200° | | | (1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B66A (1) RADIO 4478 B14 (1) RADIO 2012 B29 (1) DC9-48-60-24-8C-EV |
| BETA | 8 | QUINTEL (QD868-2) | Ⓞ @ 71'-0"± | 200° | | | |
| GAMMA | 9 | QUINTEL (QD868-3D) | Ⓞ @ 71'-0"± | 105° | | | |
| GAMMA | 10A | ERICSSON (AIR6419 B77G) | Ⓞ @ 73'-6"± | 105° | | | |
| GAMMA | 10B | ERICSSON (AIR6449 B77D) | Ⓞ @ 68'-6"± | 105° | (1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B66A (1) RADIO 4478 B14 (1) RADIO 2012 B29 (1) DC9-48-60-24-8C-EV | | |
| GAMMA | 11 | QUINTEL (QD8612-2) | Ⓞ @ 71'-0"± | 105° | | | |
| GAMMA | 12 | QUINTEL (QD868-2) | Ⓞ @ 71'-0"± | 105° | | | |

2 FINAL ANTENNA SCHEDULE
 SCALE: N.T.S.

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|----------|------|-------------|-----|
| C | 01-12-23 | SSO | ZONING | HMM |
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| G | 09-12-23 | PSS | ZONING | HMM |

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SHEET TITLE:
FINAL ANTENNA LAYOUT & SCHEDULE

SHEET NUMBER: **C-3** **REVISION:** **G**

TEP #: 315318,344130



2.2 System Configuration

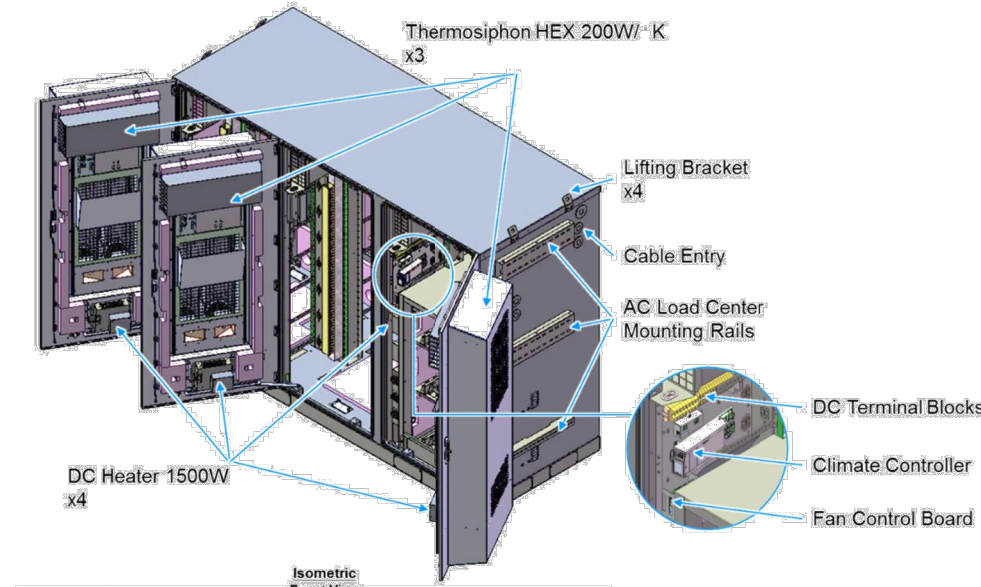
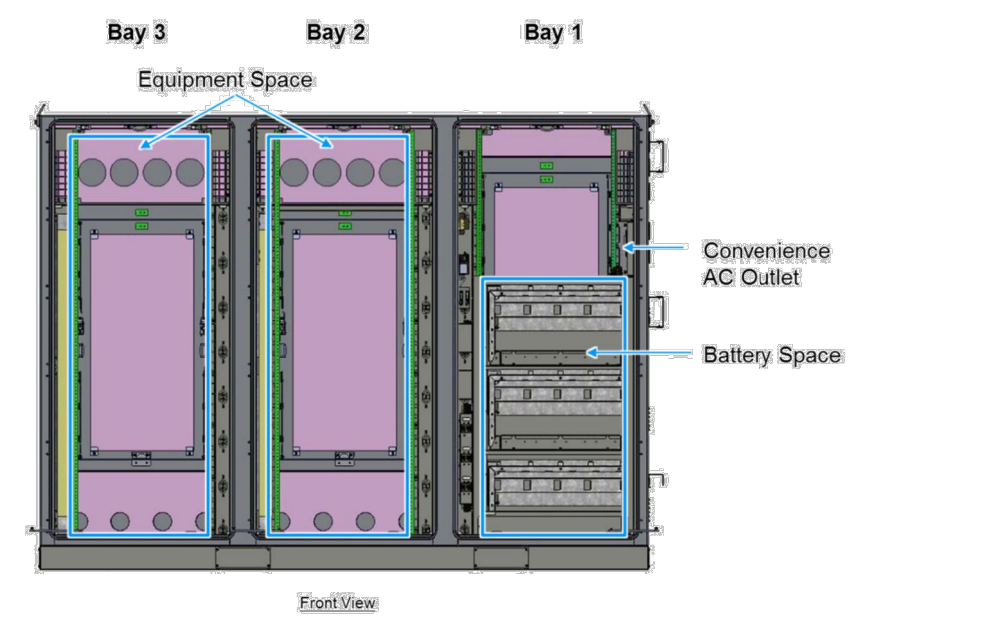


Figure 2-2 Multi-Bay Cabinet (Front View)

Installation and Operation Manual

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2.3 Cabinet Specifications

The cabinet is arranged for installation of a Delta or third-party AC Load Center and front access DC Power System. Table 2-1 below contains the input power specifications.

| Item | Specification/Function |
|----------------------------|--|
| AC Input Range | |
| AC Input Voltage | 1W+N+FG 100-120V _{AC} |
| AC Input Current (maximum) | 12A (Max.) |
| AC Input Frequency | 50/60Hz |
| DC Input Range | |
| DC Input Voltage | 40 - 60V _{DC} (54V typical) |
| DC Input Current Rating | 224A (max) |
| Battery Section | |
| Battery Trays | (3) Trays arranged for -48V battery strings, designed for: GNB Marathon M12V180FT Energys SBS190F Energys SBS170F |
| Climate Control | |
| Control & Supervisor Unit | Delta controller |
| Cooling | (3) 200W/K Thermosiphon HEX Cooling Capacity 9.1kW Maintains equipment inlet <65°C with exterior ambient <46°C |
| Heating | (4) 1500W DC Heaters |
| Environmental | |
| Operating Temperature | -40°C to +46°C (-40°F to +115°F) |
| Storage Temperature | -40°C to +75°C (-40°F to +167°F) |
| Relative Humidity | 0-95% Relative Humidity, Non-Condensing |
| Altitude | -100 feet to +10,000 feet |
| Acoustic noise | ≤ 65dBA @ +40°C equipment inlet |
| Protection Class | IP55 (EN 60529) NEBS III (GR-487) |

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Installation and Operation Manual



2.4 Dimensions and Weight

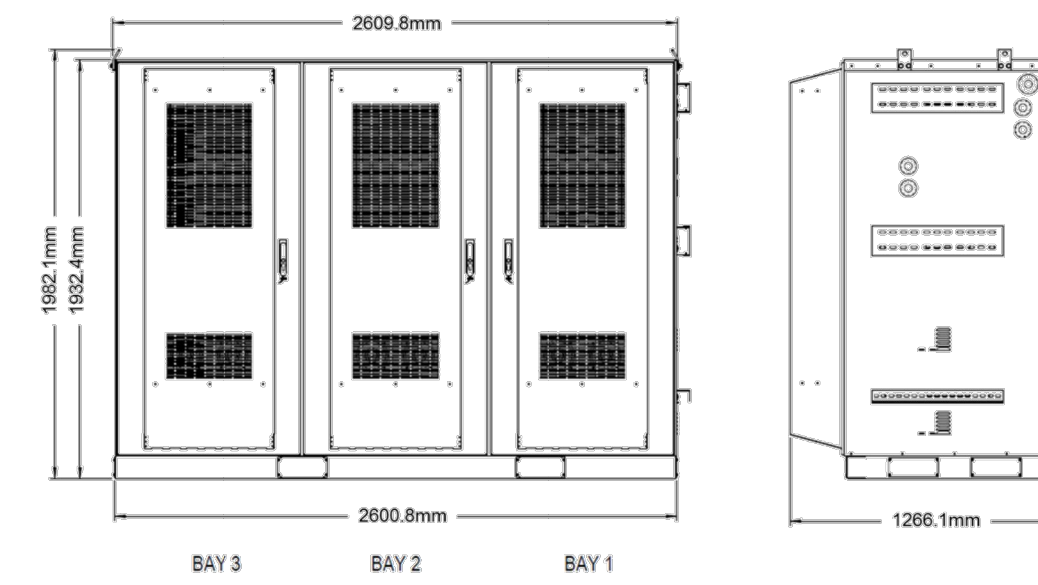


Figure 2-3 Cabinet Dimensions

| Item | Specification/Function |
|------------|---|
| Dimensions | 2600.8W x 1932.4H x 1266.1D mm (102"W x 72"H x 49.5"D + 4" plinth) |
| Weight | 2270* lbs. (* Batteries, Power System and Load Equipment excluded) |

Installation and Operation Manual

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3.6 Cabinet Installation

Use the following steps to install the cabinet.

Step 1 Use the provided Template to mark anchor hole locations.

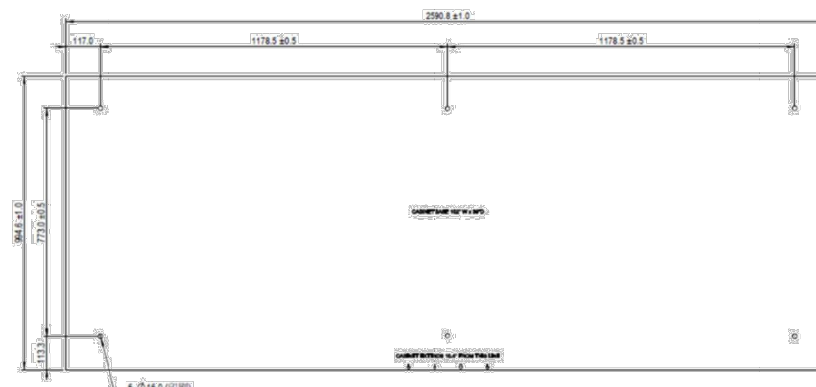


Figure 3-11 Mounting Template

Step 2 Drill anchor holes per specifications from the anchor manufacturer.

Step 3 Install anchors per instructions from the anchor manufacturer.

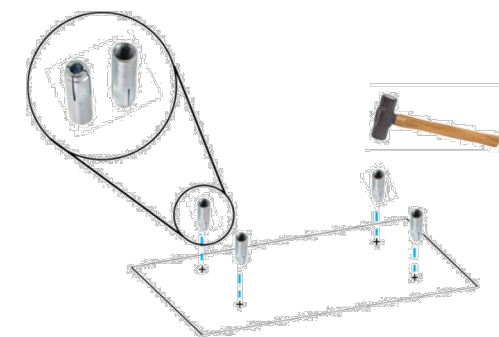


Figure 3-12 Insert anchors

Step 4 Place the pad separator (not provided) on the concrete pad aligned with the mounting holes. (A pad separator provides separation between the concrete pad and the base of the cabinet to prevent corrosion of the cabinet metal.)

Step 5 Mount the cabinet to the concrete pad with anchor bolts, lock washers and flat washers (not provided) per instructions from the anchor manufacturer.

Step 6 Close and secure hinged anchor access covers.

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Installation and Operation Manual



3.8 AC Load Center Installation

The cabinet provides mounting rails for AC Load Center mounting and corresponding cable entry ports for wiring from the AC Load Center into the cabinet. Follow Load Center requirements for installation.

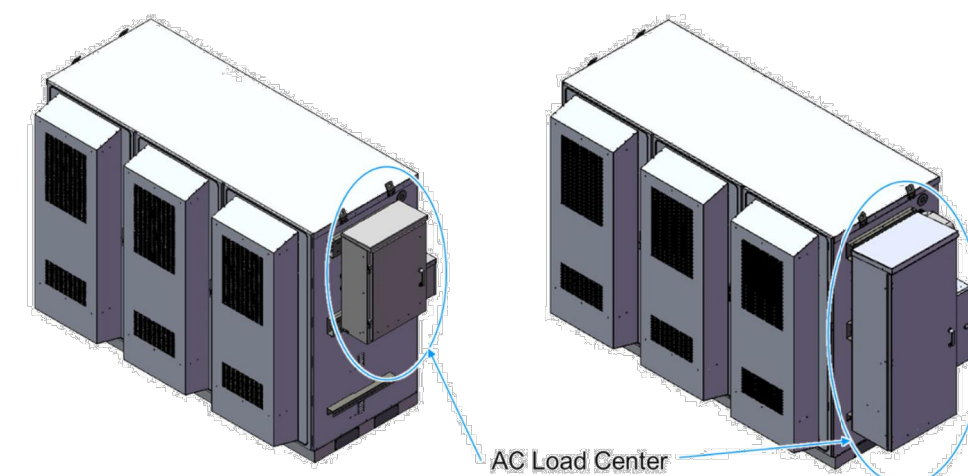


Figure 3-16 Cabinet with AC Load Center

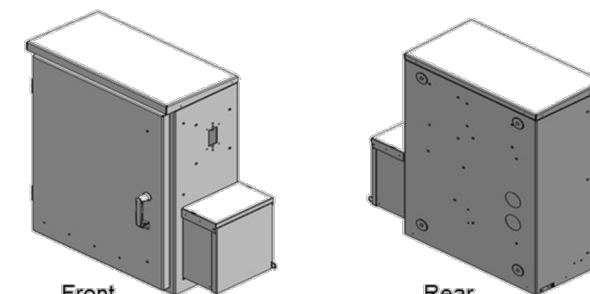


Figure 3-17 AC Load Center - MTS

Installation and Operation Manual

29

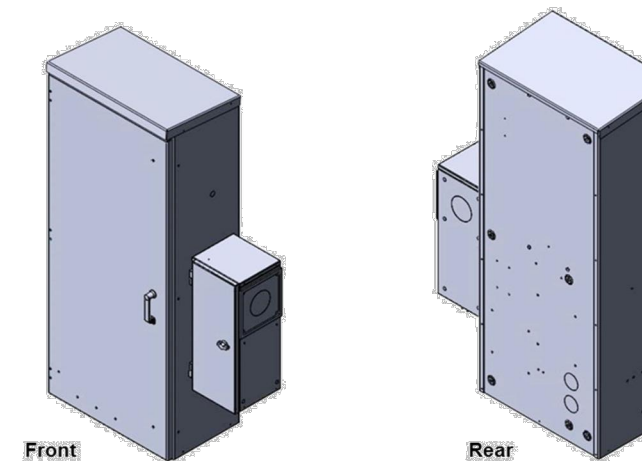


Figure 3-18 AC Load Center - ATS



Note! The cabinet provides mounting rails and AC cable entry ports arranged for mounting of Intersect PTLC-MTS-12200-CL or equivalent AC Load Center. An AC Load Center and related fittings are not provided with the cabinet and must be provided as integration or site materials.

Use the following steps to install the Load Center on the cabinet:

Step 1 Provide suitable sealed fittings from the AC Load Center for entry into the Cabinet. Install on the Load Center before installing the Load Center onto the Cabinet. Delta recommends using Size 2" x 4" long outdoor rated pipe nipples and sealing conduit nuts (not provided)

Step 2 Provide Intersect PTLC-MTS-12200-CL or equivalent AC Load Center. Secure the Load Center to mounting rails per Load Center vendor instructions.

Step 3 Secure and seal fittings from the AC Load Center into entry ports on the cabinet

Step 4 Confirm the Site Utility and Load Center Main AC input breakers are in the "off" position

Step 5 Connect Site Utility 2W+N+G to the Load Center per Load Center vendor instructions, NEC, and local codes.



Note! Detailed AC Load Center position planning should include future equipment additions and changes

30

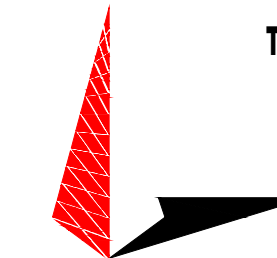
Installation and Operation Manual



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**20350 MCKEAN RD
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(SANTA CLARA COUNTY)**

**PROPOSED 80'-0"
MONOPINE TOWER**

ISSUED FOR:

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| G | 09-12-23 | PSS | ZONING | HMM |

SEAL:



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SHEET TITLE:

**WALK-UP-CABINET
DETAILS**

SHEET NUMBER:

C-4

REVISION:

G

TEP #:

315318.344130

1 3-BAY WALK-UP-CABINET (WUC) DETAIL

SCALE: N.T.S.

NOTES:

- DETAILS SHOWN WERE PROVIDED BY OTHERS AND ARE NOT CARRIED UNDER SIGNATURE AND SEAL OF TOWER ENGINEERING PROFESSIONALS ENGINEERING SERVICES AND/OR ITS ENGINEERS
- REFER TO MANUFACTURER'S INSTALLATION SPECIFICATIONS FOR FURTHER DETAILS ON INSTALLATION OF EXTENSION KIT.
- INSTALL EXHAUST VENT EXTENSION AS REQUIRED TO PROVIDE 12" CLEARANCE FROM GROUND LEVEL IN ACCORDANCE WITH WASHINGTON STATE CODE.

SDC030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency



Standby Power Rating
30 kW, 38 kVA, 60 Hz



Image used for illustration purposes only



*EPA Certified Prime ratings are not available in the US or its Territories

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL6200, UL1236, UL489, UL142
- CSA C22.2, ULC S601
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- NEMA ICS10, MG1, 250, ICS6, AB1
- ANSI C62.41

Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SDC030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency



STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Stainless Steel Flexible Exhaust Connection
- Engine Coolant Heater with Isolation Ball Valve
- Factory Filled Oil and Coolant

FUEL SYSTEM

- Fuel Lockoff Solenoid
- Primary Fuel Filter

COOLING SYSTEM

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 30/50 Ethylene Glycol Antifreeze
- Fan Guard

ELECTRICAL SYSTEM

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor
- SA Battery Charger

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation
- Sealed Bearing
- Rotor Dynamically Spin Balanced
- Amortisseur Winding (3-Phase Only)
- Fuel Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- Silencer Mounted in the Discharge Hood

ENCLOSURE

- Aluminum Enclosure
- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material
- Gasketed Doors
- Twist-Lock Handle
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Up to 70 Inch² Snow Load Rating
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)

FUEL TANKS (If Selected)

- UL 142/ULC S601
- Double Wall
- Normal and Emergency Vents
- Factory Pressure Tested
- Rupture Basin Alarm
- Fuel Level
- Check Valve in Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Power Zone® 410 Controller

- Programmable Auto Crank
- Selectable Low Speed Exercise
- RS-232 C
- RS-485 C
- All-Phase Sensing Digital Voltage Regulator
- kW
- Power Factor
- Ruptured Tank Detection
- Auxiliary Shutdown Switch
- Remote Communications
- Compatible with NFA 110, Level 1 or 2 (When Optional Modules Selected)
- Line Power/Gen Power
- IFT Function for Full Generator Protection (Contact Factory)

Emergency Stop

- Modbus® RTU
- Remote Ports
- CANbus
- Full Range Standby Operation
- 3-Phase AC Volts
- 3-Phase Amps
- kV
- Power Factor
- Ruptured Tank Detection
- Auxiliary Shutdown Switch
- Remote Communications
- Compatible with NFA 110, Level 1 or 2 (When Optional Modules Selected)
- Line Power/Gen Power
- IFT Function for Full Generator Protection (Contact Factory)

Full System Status Display

- Multilingual 128x64 Graphical Display with Heater
- Easy Status View LED Screen
- Time
- Full System Status
- Rain Hours
- Service Reminders

Fault History (Alarm Log)

- Oil Pressure
- Oil Temperature Indication and Alarm
- Output for Fuel Level/High/Low Warning
- Water Temperature
- Water Level
- Fuel Pressure/Level
- Engine Speed
- Battery Voltage
- Alternator Frequency

Alarms and Warnings

- Common Alarm Output

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CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Heater
- Two-Stage Air Cleaner
- Level 1 Belt Guard

FUEL SYSTEM

- NPT Flexible Fuel Line

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Ambi-Condensation Heater
- Tropical Coating

GENERATOR SET

- Extended Factory Testing
- Pad Vibration Isolators

ENCLOSURE

- AC/DC Enclosure Light
- Door Open Alarm Horn

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

CONTROL SYSTEM

- NFA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Battery Disconnect Switch
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 100 dB Alarm Horn
- Ground Fault Annunciation
- 120V GFCI and 240V Outlets
- 10A Engine Run Relay

FUEL TANKS (Size On Last Page)

- Overflow Protection Valve
- Spill Box Return Hose
- 2.5 Gallon Spill Box
- Tank Risers
- Fuel Level Switch and Alarm
- 12" Vent System
- Fire Rated Stainless Steel Fuel Hose
- Fuel Drop Hose

ENGINEERED OPTIONS

GENERATOR SET

- Special Testing

FUEL TANKS

- UL2085 Tank
- Stainless Steel Tanks
- Special Fuel Tanks
- Fluid Containment Pan

SDC030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
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APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

| General | | Cooling System | |
|-------------------------------------|-------------------------|----------------------------|------------------------------|
| Male | Perkins | Cooling System Type | Pressurized Closed |
| EPA Emissions Compliance | Stationary Emergency | Water Pump Type | Pre-Lubed, Self Sealing |
| EPA Emissions Reference | See Emission Data Sheet | Fan Type | Pusher |
| Cylinder # | 4 | Fan Speed - RPM | 3,000 |
| Type | In-Line | Fan Diameter - in (mm) | 11 (279) |
| Displacement - in ³ (L) | 135 (2.22) | Fuel System | |
| Bore - in (mm) | 3.3 (84) | Fuel Type | Ultra Low Sulfur Diesel Fuel |
| Stroke - in (mm) | 3.9 (100) | Fuel Specifications | ASTM |
| Compression Ratio | 23.3:1 | Fuel Filtration (Microns) | 5 |
| Intake Air Method | Turbocharged | Fuel Inject Pump | Distribution Injection Pump |
| Cylinder Head | Cast Iron | Fuel Pump Type | Cassette |
| Piston Type | Aluminum | Injector Type | Indirect, Pintle Nozzle |
| Crankshaft Type | Forged Steel | Fuel Supply Line - in (mm) | 0.31 (7.94) ID |
| Fuel Return Line - in (mm) | 0.31 (7.94) ID | Engine Electrical System | |
| Governor | Electronic Isochronous | System Voltage | 12 VDC |
| Frequency Regulation (Steady State) | ±0.5% | Battery Charger Alternator | Standard |
| Lubrication System | | Battery Size | See Battery Index 016197058Y |
| Oil Pump Type | Gear | Battery Voltage | 12 VDC |
| Oil Filter Type | Roll-Flow Cartridge | Ground Polarity | Negative |
| Crankcase Capacity - qt (L) | 11.2 (10.6) | | |

ALTERNATOR SPECIFICATIONS

| | | | |
|-------------------------------------|--------------------|------------------------------------|-----------------------------|
| Standard Model | K0050124Y26 | Standard Excitation | Permanent Magnet Excitation |
| Poles | 4 | Bearings | Single Sealed |
| Field Type | Revolving | Coupling | Direct via Flexible Disc |
| Insulation Class - Rotor | H | Load Capacity - Standby | 100% |
| Insulation Class - Stator | H | Prototype Short Circuit Test | Yes |
| Total Harmonic Distortion | <5% (3-Phase Only) | Voltage Regulator Type | Digital |
| Telephone Interference Factor (TIF) | <50 | Number of Sensed Phases | All |
| | | Regulation Accuracy (Steady State) | ±0.25% |

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OPERATING DATA

POWER RATINGS

| | | Standby | |
|---------------------------------|---------------|-----------|--|
| Single-Phase 120/240 VAC @1.0pf | 30 kW, 30 kVA | Amps: 125 | |
| Three-Phase 120/208 VAC @0.8pf | 30 kW, 38 kVA | Amps: 104 | |
| Three-Phase 120/240 VAC @0.8pf | 30 kW, 38 kVA | Amps: 90 | |
| Three-Phase 277/480 VAC @0.8pf | 30 kW, 38 kVA | Amps: 45 | |
| Three-Phase 348/600 VAC @0.8pf | 30 kW, 38 kVA | Amps: 36 | |

MOTOR STARTING CAPABILITIES (skVA)

| | | skVA vs. Voltage Dip | |
|----------------|-----------------|----------------------|-----------------|
| 120/240 VAC 1Ø | 30% | 277/480 VAC 3Ø | 30% |
| A0050044N26 | Contact Factory | K0050124Y26 | Contact Factory |
| 208/240 VAC 3Ø | 30% | 208/240 VAC 3Ø | 30% |
| 600 VAC 3Ø | 30% | 600 VAC 3Ø | 30% |
| L0050124N24 | Contact Factory | L0050124N24 | Contact Factory |

FUEL CONSUMPTION RATES*

| | | Diesel - gph (Lph) | |
|---|-------------|--------------------|------------|
| Fuel Pump Lift - ft (m) | 2.6 (0.8) | Percent Load | Standby |
| | | 25% | 1.0 (3.8) |
| | | 50% | 1.3 (5.0) |
| | | 75% | 1.9 (7.2) |
| | | 100% | 2.7 (10.2) |
| Total Fuel Pump Flow (Combustion + Return) - gph (Lph) | | | |
| | 16.6 (63.0) | | |

COOLING

| | | Standby | |
|---|---------------------------|-----------------------------|--|
| Air Flow (Fan Air Flow Across Radiator) - Compact | cfm (m ³ /min) | 2,500 (70.8) | |
| Coolant Flow | gpm (Lpm) | 14.8 (56.2) | |
| Coolant System Capacity | gal (L) | 5.11 (19.36) | |
| Heat Rejection to Coolant | BTU/hr (kW) | 128,638 (37.7) | |
| Maximum Operating Ambient Temperature | °F (°C) | 122 (50) | |
| Maximum Operating Ambient Temperature (Before Derate) | | See Bulletin No. 0199280SSD | |

COMBUSTION AIR REQUIREMENTS

| | | Standby | |
|---|--|----------|--|
| Flow at Rated Power - cfm (m ³ /min) | | 88 (2.5) | |

ENGINE

| | | EXHAUST | |
|--------------------------|----------------|---------------|------------------------------------|
| Rated Engine Speed | RPM | 1,800 | Standby |
| Hourspower at Rated kW** | hp | 48.8 | 168 (4.8) |
| Piston Speed | ft/min (m/min) | 1,182 (360) | Intly. (27.4) |
| BMEP | psi (kPa) | 158.8 (1,095) | Exhaust Temperature (Rated Output) |
| | | | °F (°C) |

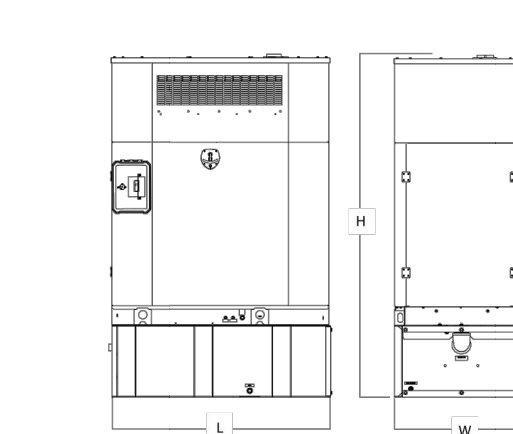
** Refer to "Emissions Data Sheet" for maximum BHP for EPA and SCAQM permitting purposes.

Derate - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO9528, and DIN6271 standards. Standby - See Bulletin 0187500SS8 Prime - See Bulletin 0187510SS8

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DIMENSIONS AND WEIGHTS*



COMPACT VARIANT

| Run Time - Hours | Usable Capacity - Gal (L) | L x W x H - in (mm) | Weight - lbs (kg) |
|------------------|---------------------------|---|-------------------|
| No Tank | 60.7 (1,542) | 60.7 (1,542) x 36.1 (917) x 72.6 (1,844) | Contact Factory |
| 18 | 50 (189) | 60.7 (1,542) x 32.9 (836) x 90.9 (2,309) | Contact Factory |
| 53 | 145 (549) | 60.7 (1,542) x 32.9 (836) x 109.8 (2,784) | Contact Factory |

PUBLIC SAFETY TOWERS COMPANY
1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

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FIRSTNET/AT&T ID: CCL00751
HORSEMENS ASSOCIATION
PSTC #: CANC-SJOSE04
HORSEMENS ASSOCIATION

20350 MCKEAN RD
SAN JOSE, CA 95120
(SANTA CLARA COUNTY)
PROPOSED 80"-0"
MONOPINE TOWER

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|----------|------|-------------|-----|
| C | 01-12-23 | SSO | ZONING | HMM |
| D | 02-28-23 | CAM | ZONING | HMM |
| E | 03-06-23 | SSO | ZONING | HMM |
| F | 03-27-23 | SSO | ZONING | HMM |
| G | 09-12-23 | PSS | ZONING | HMM |

SEAL:

ZONING
DO NOT USE OR
CONSTRUCTION

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SHEET TITLE:
GENERATOR DETAILS

SHEET NUMBER: **C-5** **REVISION:** **G**

TEP #: 315318,344130



PowerSafe®
SBS Front Terminal
Telecommunications NEBS™ Certified

Battery Range Summary

The PowerSafe® SBS® Front Terminal battery further extends the technical leadership of PowerSafe SBS battery product line: not only do PowerSafe SBS Front Terminal monoblocs retain the benefits typically associated with Thin Plate Pure Lead (TPPL) Technology such as long life, high energy density, superior shelf life, etc., they also deliver exceptional cyclic performance in both float and fast charge applications, even in the hottest and harshest operating environments.

Where conventional Valve Regulated Lead Acid (VRLA)/Absorbed Glass Mat (AGM) batteries struggle to cope with harsh conditions and frequent power outages, cutting edge (TPPL) technology makes PowerSafe 12V batteries the perfect solution for the challenging operating conditions of today's telecommunication networks.

PowerSafe SBS batteries are designed to high quality standards and a unique manufacturing methods means superior energy and power, high performance and proven reliability, there is no substitute to PowerSafe SBS Front Terminal batteries.

Features and Benefits

- Capacity range 31-190Ah
- 12V monobloc configurations
- Multiple string configurations available
- Two year shelf life
- SR4228 compliant
- Proven long service life
- High energy density and cycling capability



Publication No: US-SBSF-RS-004 - January 2014

Construction

- Robust positive plates are designed to prolong service life and enhance corrosion resistance
- Separators are low resistance microporous (AGM). The electrolyte is absorbed within the AGM, preventing acid spills in case of accidental damage
- Container and cover in flame retardant UL94-V0 material, highly resistant to shock and vibration
- Terminals are stainless steel front access with top access copper alloy insert. Top and front access terminations provide maximum conductivity
- Self-regulating one way pressure relief valves prevents ingress of atmospheric oxygen

Installation and Operation

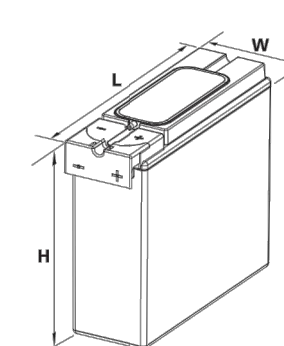
- Space efficient footprint
- VRLA design, reduces maintenance requirements
- Lifting handles for easy handling
- Greater than 10 year life expectancy in float service at 77°F (25°C)
- Increased active material surface area yields great cycling capability
- Operating temperature: -40°F (-40°C) to 122°F (50°C)
Recommended temperature: 68°F (20°C) to 86°F (30°C)

Standards

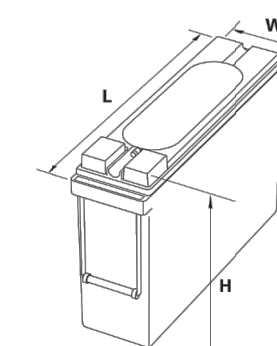
- Meets criteria for "non-spillable" batteries
- Complies with Telcordia® SR-4228, Network Equipment Building System (NEBS™) Criteria Levels
- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

General Specifications

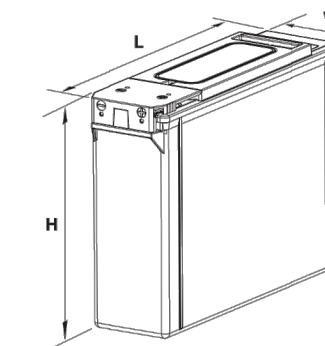
| Cell Type | Nominal Capacity (Ah) | | Nominal Dimensions | | | | Weight - Volumes | | | |
|-----------|-----------------------------|----------------------------|--------------------|-----|----------|-----|------------------|-----|--------------|------|
| | 10 hr rate to 1.80Vpc @20°C | 8 hr rate to 1.75Vpc @77°F | in Length | mm | in Width | mm | in Height | mm | lbs Unpacked | kg |
| SBS B8F | 31 | 31 | 11.9 | 303 | 3.8 | 97 | 6.3 | 159 | 22.7 | 10.3 |
| SBS B10F | 38 | 38 | 11.9 | 303 | 3.8 | 97 | 7.2 | 184 | 28.2 | 12.8 |
| SBS B14F | 62 | 62 | 11.9 | 303 | 3.8 | 97 | 10.4 | 264 | 42.0 | 19.1 |
| SBS C11F | 92 | 91 | 16.4 | 417 | 4.1 | 105 | 10.1 | 256 | 61.6 | 28.0 |
| SBS 100F | 100 | 100 | 15.6 | 395 | 4.3 | 108 | 11.3 | 287 | 71.9 | 32.6 |
| SBS 112F | 112 | 112 | 22.1 | 561 | 4.9 | 125 | 9.0 | 228 | 90.4 | 41.1 |
| SBS 145F | 145 | 145 | 17.9 | 455 | 6.8 | 173 | 9.4 | 238 | 105.0 | 47.7 |
| SBS 165F | 165 | 165 | 17.9 | 455 | 6.8 | 173 | 10.8 | 273 | 117.4 | 53.3 |
| SBS 170F | 170 | 170 | 22.1 | 561 | 4.9 | 125 | 11.1 | 283 | 115.7 | 52.5 |
| SBS 190F | 190 | 190 | 22.1 | 561 | 4.9 | 125 | 12.4 | 316 | 132.3 | 60.0 |



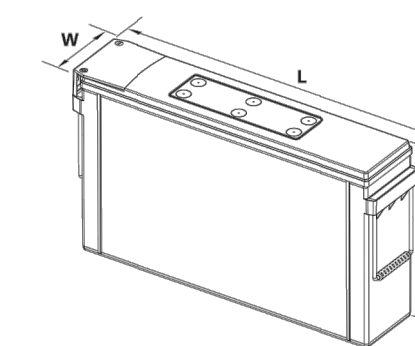
SBS B8F-B14F



SBS C11F



SBS 100F-112F



SBS 145F-190F

| | |
|------------------------------------|----------------------|
| MANUFACTURER: | ALPINE POWER SYSTEMS |
| MODEL: | POWERSAFE SBS 190F |
| BATTERY UNIT QTY.: | 8 UNITS |
| TOTAL BATTERY KWH: | 18.24 |
| TOTAL BATTERY WEIGHT (KG/LBS): | 480 / 1058.4 |
| TOTAL ELECTROLYTE VOLUME (GAL): | 18.72 |
| TOTAL ELECTROLYTE WEIGHT (KG/LBS): | 129.5 / 285.4 |



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HORSEMENS ASSOCIATION

PSTC #: CANC-SJOSE04
HORSEMENS ASSOCIATION

20350 MCKEAN RD
SAN JOSE, CA 95120
(SANTA CLARA COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|----------|------|-------------|-----|
| C | 01-12-23 | SSO | ZONING | HMM |
| D | 02-28-23 | CAM | ZONING | HMM |
| E | 03-06-23 | SSO | ZONING | HMM |
| F | 03-27-23 | SSO | ZONING | HMM |
| G | 09-12-23 | PSS | ZONING | HMM |

SEAL:



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SHEET TITLE:

BATTERY DETAILS

SHEET NUMBER:

C-6

REVISION:

G

TEP #:

315318,344130

1 PROPOSED BATTERY DETAILS

SCALE: N.T.S.

PUBLIC SAFETY TOWERS
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PROPOSED 80'-0"
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SEAL:

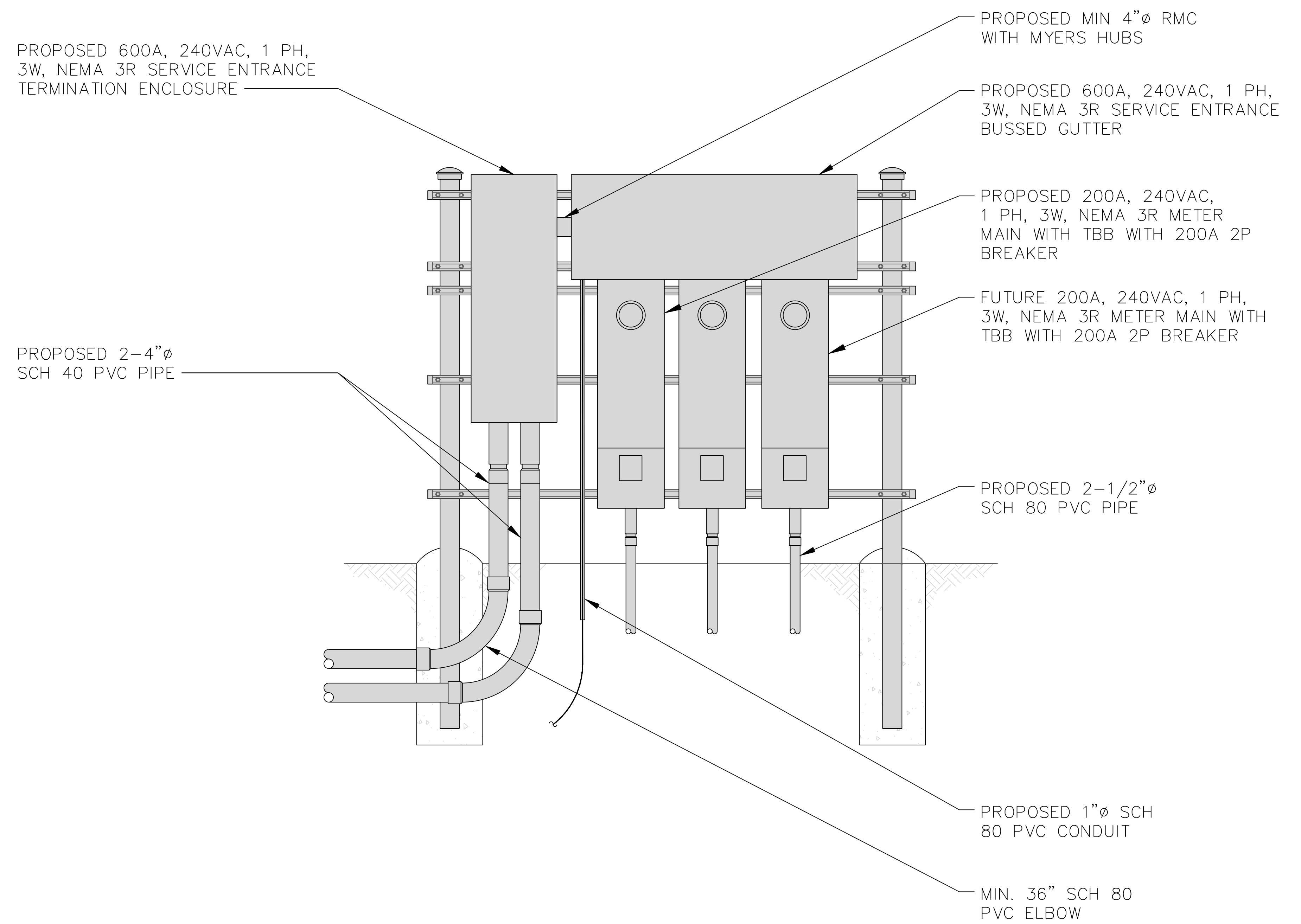


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SHEET TITLE:
**METER ELEVATION
DETAIL**

SHEET NUMBER: **C-7** **REVISION:** **G**

TEP #: 315318,344130



PTLC-ATS-3S-12200-CL_ATT

Service Entrance Solution for WICs, WUCs, and Small Cell Sites

The PTLC-ATS-3S-12200-CL_ATT is a power transfer load center for 240/120, single phase, 200 A applications with an ASCO® Series 300 automatic transfer switch with a Group G Controller designed for small AC service entrance spaces. The compact aluminum enclosure measures 60"H x 25"W (35"W with CamLok Connector Panel) x 15"D.

The 3-source design includes a "main" for utility, plus mechanically interlocked mains to enable selection of one of two emergency sources. Integrated components include Strikesorb® surge protection; a 30-position NQ Square D panel board; Acc 4AR, utility fail relay; Acc 11BE, programmable engine exerciser; Acc 18RX, source relay contacts; an external GFCI receptacle; and CamLok generator connection panel. In the standard design, the CamLok panel is mounted on the right. A reverse design, with the CamLok panel on the left, also is available.

Automatic Transfer Switch, ASCO Series 300 with Group G Controller

- Single solenoid, true double-throw, transfer mechanism
 - UL 1008 Listed and complies with NFPA 110 for Emergency and Standby Power Systems
- Group G Controller offers easy to navigate LCD display with soft keypad and six LED indicators
- Historical event log, statistical monitoring, and diagnostic functions
- Pre- and post-transfer time delay settings for transfer and re-transfer
- Voltage & frequency sensing
 - Under and over frequency settings on normal and emergency
 - Voltage and frequency parameters adjustable in 1% increments
- Auto start/stop engine control contacts

Strikesorb Surge-protected Loads

Strikesorb surge protection safeguards critical loads from transients and load transfer spikes. Strikesorb withstands repeated surges, providing cost-effective and maintenance-free operation in demanding environments.

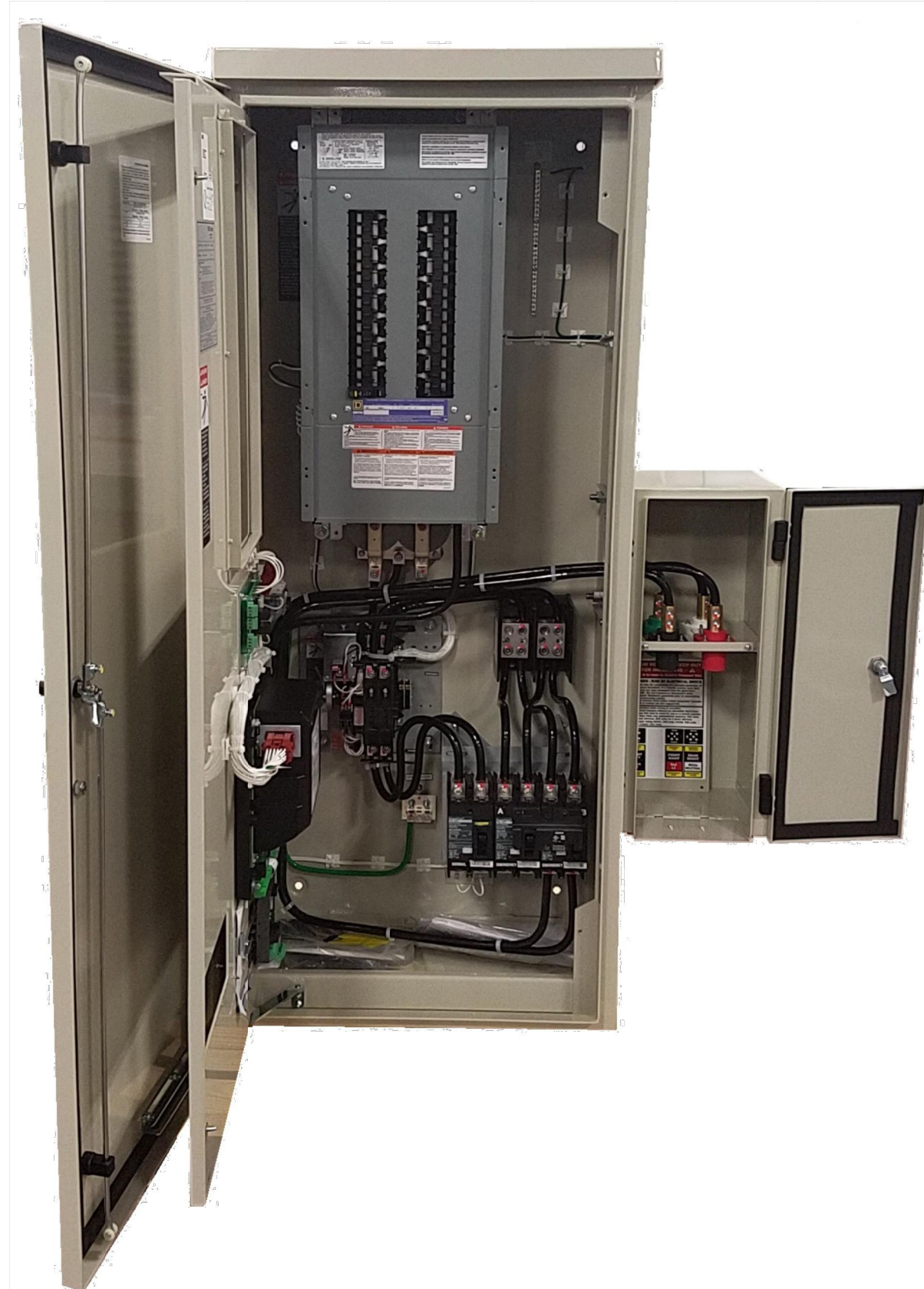
30-circuit Square D Panel Board

- NQ Series panel accepts bolt-on or plug-on branch breakers
- NQ Panel Board Breaker Retention Bracket (patent pending)

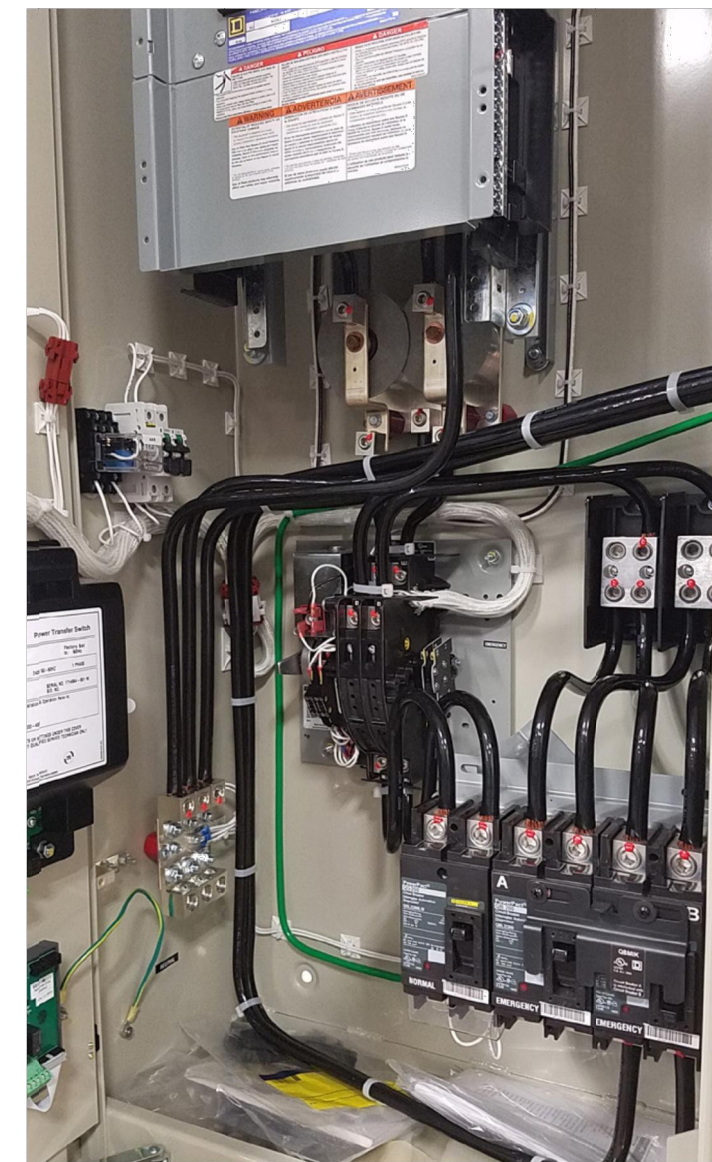
For a quotation, contact Intersect at solutions@intersectinc.com.

Intersect, Inc.

Quality products. Premium customer care. Integrated solutions.



Actual product may vary from photograph.



3-Source Mains

| Product No | Description |
|----------------------------|---|
| PTLC-ATS-3S-12200-CL_ATT | 240/120, 1Ø, 200A, 3-source PTLC integrates ASCO Series 300-G ATS; Strikesorb; 30-position Square D NQ load center; GFCI receptacle; ICGC CamLok connector panel mounted on the right side; aluminum NEMA 3R enclosure (RAL 7032) |
| PTLC-ATS-3S-12200-CL_L_ATT | 240/120, 1Ø, 200A, 3-source PTLC integrates ASCO Series 300-G ATS; Strikesorb; 30-position Square D NQ load center; GFCI receptacle; ICGC CamLok connector panel mounted on the left side; aluminum NEMA 3R enclosure (RAL 7032) |

General Data

Enclosure dimensions* (H x W x D)

60" x 25" x 15"

60" x 35" x 15" with CamLok enclosure

*Dimensions may change. Drawings may be requested for current outline specifications.

Weight

≥ 150 lbs

Door

3-point pad-lockable

ICGC also is pad-lockable

Convenience receptacle

20A GFCI external receptacle

Rating

NEMA 3R

Composition

Aluminum

Powder coat paint

RAL 7032

Other Pantone colors may be requested

UL certification

UL 891 – Dead Front Switchboard

UL 1008 – ATS and ICGC

Load Center

Panel board type

Square D, NQ Series

Circuit breaker positions

30 circuits

Electrical Specifications

120/240 V, 1Ø, or 120/208 V, 3Ø

200 A maximum

SCRR based on branch devices

42 kA, Sq D Type QH or QHB

22 kA, Sq D Type ZO-VH or QOB-VH

10 kA, Sq D QO or QOB

ATS Accessories

4AR – Utility fail relay

11BE – Fully-programmable engine exerciser

- Exercise with or without load

- Exercise daily, weekly, bi-weekly or monthly

- Setting displayed and changed from interface keypad

18RX – Relay for source availability

- Contacts for utility and one emergency source (second emergency contact on switch)

- Additional output relay, default to indicate common alarm

Suppression Technology

Technology type

Strikesorb 40mm, 120 V module

Certification

UL 1449 3rd Edition (or current)

CE

VDE

ICGC – CamLok Generator Connection Panel

Color-coded connectors

Pad-lockable enclosure

Intersect, Inc.

All specifications subject to change without notice.
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PUBLIC SAFETY TOWERS COMPANY
 1903 WRIGHT PLACE, SUITE 140
 CARLSBAD, CA 92008

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 5005 EXECUTIVE PARKWAY
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TOWER ENGINEERING PROFESSIONALS
 4710 E ELWOOD ST, STE 9
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 OFFICE: (480) 285-0036
www.tepgroup.net

**FIRSTNET/AT&T ID: CCL00751
 HORSEMENS ASSOCIATION**

**PSTC #: CANC-SJOSE04
 HORSEMENS ASSOCIATION**

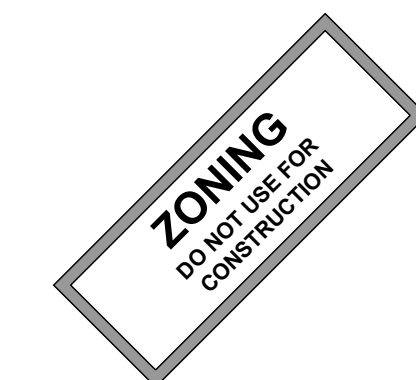
**20350 MCKEAN RD
 SAN JOSE, CA 95120
 (SANTA CLARA COUNTY)**

**PROPOSED 80'-0"
 MONOPINE TOWER**

ISSUED FOR:

| REV | DATE | DRWN | DESCRIPTION | QA |
|-----|----------|------|-------------|-----|
| C | 01-12-23 | SSO | ZONING | HMM |
| D | 02-28-23 | CAM | ZONING | HMM |
| E | 03-06-23 | SSO | ZONING | HMM |
| F | 03-27-23 | SSO | ZONING | HMM |
| G | 09-12-23 | PSS | ZONING | HMM |

SEAL:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE:

PTLC DETAILS

SHEET NUMBER:

C-8

REVISION:

G

TEP #:

315318.344130



FIRSTNET/AT&T ID: CCL00751
HORSEMENS ASSOCIATION

PSTC #: CANC-SJOSE04
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20350 MCKEAN RD
SAN JOSE, CA 95120
(SANTA CLARA COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

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SHEET TITLE:
AC PANEL SCHEDULE

SHEET NUMBER: **E-1** REVISION: **G**

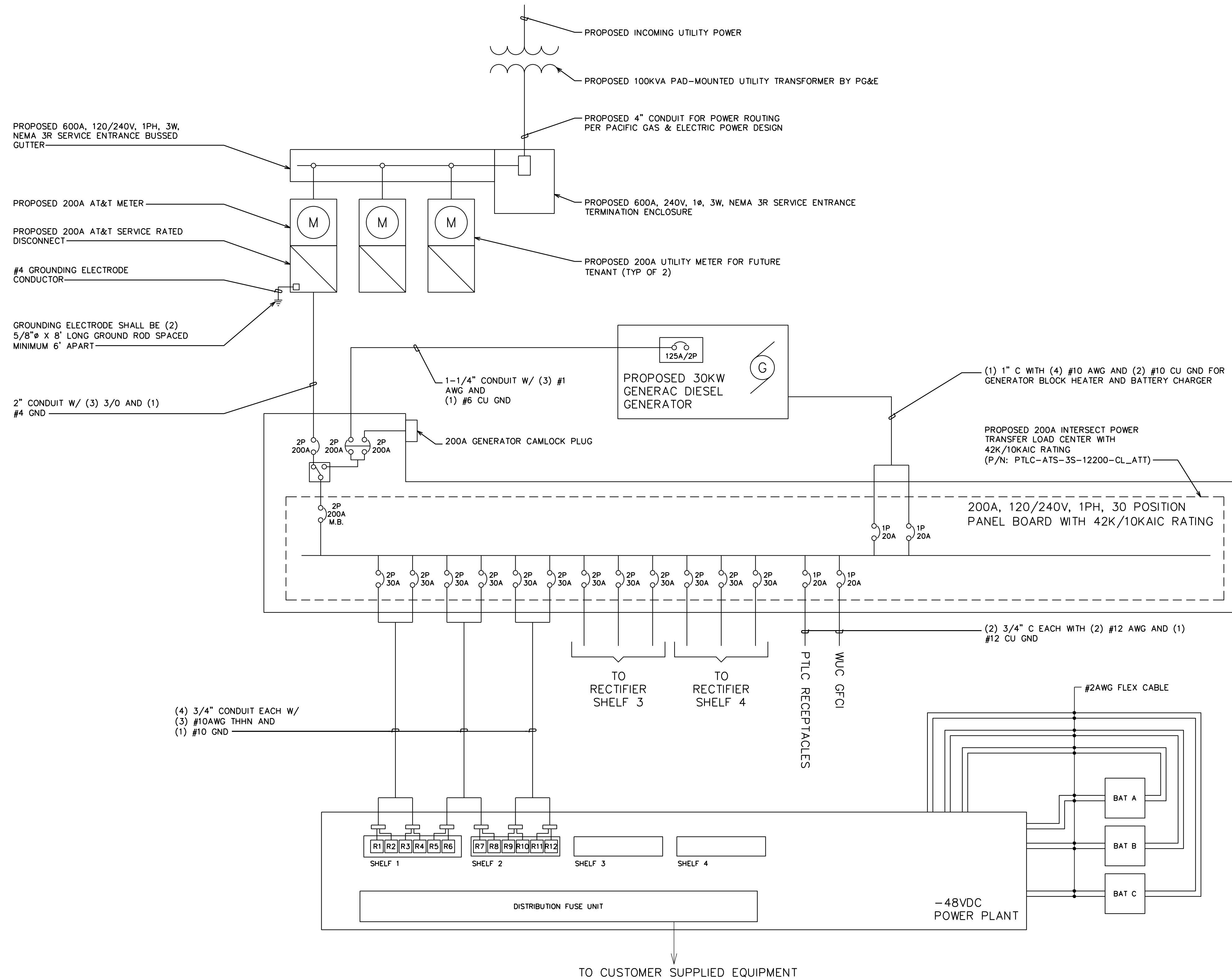
TEP #: 315318,344130

| AC POWER PANEL A (PROPOSED) | | | | | | | | | | | |
|--|------|------|------|------|-------|----------------------|--|------|------|------|---------------------|
| 120/240 VOLTS, 1-PHASE, 3-WIRE, 200A | | | | | | | | | | | |
| MAIN BREAKER RATING (A) : | | | | 200 | | SYSTEM VOLTAGE (V) : | | | | 240 | |
| DESCRIPTION | VA | c/nc | BKR | POSN | L1 | L2 | POSN | BKR | c/nc | VA | DESCRIPTION |
| RECTIFIERS #1 & 2 | 1410 | c | 30/2 | 1 | 2820 | | 2 | 30/2 | c | 1410 | RECTIFIERS #3 & 4 |
| | 1410 | c | | 3 | | 2820 | 4 | | c | 1410 | |
| RECTIFIERS #5 & 6 | 1410 | c | 30/2 | 5 | 2820 | | 6 | 30/2 | c | 1410 | RECTIFIERS #7 & 8 |
| | 1410 | c | | 7 | | 2820 | 8 | | c | 1410 | |
| RECTIFIERS #9 & 10 | 1410 | c | 30/2 | 9 | 2820 | | 10 | 30/2 | c | 1410 | RECTIFIERS #11 & 12 |
| | 1410 | c | | 11 | | 2820 | 12 | | c | 1410 | |
| SPARE / OFF | 0 | nc | 30/2 | 13 | 0 | | 14 | 30/2 | nc | 0 | SPARE / OFF |
| | 0 | nc | | 15 | | 0 | 16 | | nc | 0 | |
| SPARE / OFF | 0 | nc | 30/2 | 17 | 0 | | 18 | 30/2 | nc | 0 | SPARE / OFF |
| | 0 | nc | | 19 | | 0 | 20 | | nc | 0 | |
| SPARE / OFF | 0 | nc | 30/2 | 21 | 0 | | 22 | 30/2 | nc | 0 | SPARE / OFF |
| | 0 | nc | | 23 | | 0 | 24 | | nc | 0 | |
| BLANK | | | | 25 | 1000 | | 26 | 20/1 | nc | 1000 | *GEN BLOCK HEATER |
| BLANK | | | | 27 | | 650 | 28 | 20/1 | nc | 650 | *GEN BATT CHARGER |
| PTLC RECEPTACLES | 720 | nc | 20/1 | 29 | 900 | | 30 | 20/1 | nc | 180 | WUC GFCI |
| PHASE TOTALS (VA): | | | | | 10360 | 9110 | | | | | |
| PHASE TOTALS (A): | | | | | 86 | 76 | | | | | |
| CURRENT PER PHASE W/ 125% Continuous Loads(A): | | | | | 104 | 94 | Amperes/phase cannot exceed main breaker rating | | | | |
| PANEL TOTAL (VA): | | | | | 19470 | | Legend: c = continuous, nc = non-continuous | | | | |
| PANEL TOTAL W/ 125% Continuous Loads (VA): | | | | | 23700 | | | | | | |
| TOTAL LOAD FOR GEN OPERATION: | | | | | 17820 | | *Generator loads are not in operation while generator is running | | | | |

PROPOSED LOADING = 23.7 KVA

NOTES:

1. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT IS SUITABLE FOR AVAILABLE FAULT CURRENT.
2. CONTRACTOR SHALL COORDINATE UTILITY SERVICES WITH LOCAL UTILITY COMPANIES. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY STANDARDS.
3. ONE-LINE DIAGRAM IS FOR SCHEMATIC PURPOSES ONLY AND IS NOT INDICATIVE OF THE ACTUAL EQUIPMENT LAYOUT.
4. CONTRACTOR SHALL LABEL METER SOCKET WITH SERVICE OWNER NAMEPLATE WITH 1/2" HEIGHT MINIMUM LETTERS.
5. CONTRACTOR TO DETERMINE AVAILABLE FAULT CURRENT BEFORE ENERGIZING EQUIPMENT. THE AMOUNT OF AVAILABLE FAULT CURRENT SHALL BE MARKED ON THE SERVICE EQUIPMENT PER NEC 110.24.
6. CONTRACTOR WILL NOTIFY UTILITY COMPANY OF CHANGES IN ELECTRICAL LOAD.



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SHEET TITLE:
ONE-LINE DIAGRAM

SHEET NUMBER: **E-2** **REVISION:** **G**

TEP #: 315318,344130